```
Set       Items     Description
S1          28      AU='BERSON T':AU='BERSON THOMAS A'
S2          41      AU='DEAN R' OR AU='DEAN R D' OR AU='DEAN R DREWS'
S3          32      AU='FRANKLIN M' OR AU='FRANKLIN M K' OR AU='FRANKLIN MATTH-
                    EW' OR AU='FRANKLIN MATTHEW K' OR AU='FRANKLIN MATTHEW KEITH'
S4           6      AU='LUNT T F' OR AU='LUNT TERESA F'
S5           7      AU='SMETTERS D' OR AU='SMETTERS D K' OR AU='SMETTERS DIANA
                    K'
S6          92      S1 OR S2 OR S3 OR S4 OR S5
S7          47      S6 AND IC=(G06F? OR H04L?)
File 347:JAPIO Oct 1976-2003/Aug(Updated 031202)
        (c) 2003 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2003/Dec W02
        (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20031218,UT=20031211
        (c) 2003 WIPO/Univentio
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200381
        (c) 2003  Thomson Derwent
?
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T S7/5/ALL

7/5/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

07322460   **Image available**
PRINTING METHOD FOR PREVENTING DOCUMENT FORGERY

```
PUB. NO.:      2002-190947  [JP 2002190947 A]
PUBLISHED:     July 05, 2002 (20020705)
INVENTOR(s):   LUNT TERESA F
               FRANKLIN MATTHEW K
               HECHT DAVID L
               BERSON THOMAS A
               STEFIK MARK J
               DEAN R DREWS
               BELL ALAN G
               BREUEL THOMAS M
               CASS TODD A
               CURRY DOUGLAS N
               GREENE DANIEL H
               KRIVACIC ROBERT T
APPLICANT(s):  XEROX CORP
APPL. NO.:     2001-290056  [JP 20011290056]
FILED:         September 21, 2001 (20010921)
PRIORITY:      00 722362 [US 2000722362], US (United States of America),
               November 28, 2000 (20001128)
               00 722508 [US 2000722508], US (United States of America),
               November 28, 2000 (20001128)
INTL CLASS:    H04N-001/387; B41J-005/30; B41J-029/00; B41J-029/38;
               G06F-003/12; G06T-001/00; H04N-001/40
```

ABSTRACT

PROBLEM TO BE SOLVED: To provide a printing method for appropriately preventing document forgery in accordance with a printed document.

SOLUTION: A protection level which is to be applied to the document is decided from a plurality of protection levels by considering the value of the printed document, the latent possibility of forgery with respect to the document and cost for forgery prevention. A printer printing a watermark corresponding to the decided protection level is selected. The respective pages of the document are printed by using the printer. A mechanism for generating the evidence of copy and tracking information are incorporated in the watermark in accordance with the protection level.

7/5/2   (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

07208706   **Image available**
ENCRYPTING SYSTEM AND METHOD THEREFOR BASED ON TRANSITION STATE

```
PUB. NO.:      2002-077138  [JP 2002077138 A]
PUBLISHED:     March 15, 2002 (20020315)
INVENTOR(s):   BERSON THOMAS A
```

                    DEAN R DREWS
                    FRANKLIN MATTHEW K
                    LUNT TERESA F
                    SMETTERS DIANA K
APPLICANT(s): XEROX CORP
APPL. NO.:   2001-170639 [JP 20011170639]
FILED: June 06, 2001 (20010606)
PRIORITY: 00 596834 [US 2000596834], US (United States of America),
                June 19, 2000 (20000619)
INTL CLASS: H04L-009/16; G06F-012/00; G06F-012/14

ABSTRACT

PROBLEM TO BE SOLVED: To provide an encrypting system and method therefor
based on a step in application containing at least one state having a
relational key.

SOLUTION: When the application reaches a state, access requirement is
transmitted to a server by using a network. The requirement contains a
state key relating to this state. A reply mail responding to the
requirement is received from the server. The reply mail contains an access
key for providing access when the state key is valid.

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  7/5/3   (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

06939505   **Image available**
METHOD FOR PROVIDING SAFE ACCESS TO ONLINE CONTENTS REFERRED TO IN HARD
COPY DOCUMENT

PUB. NO.:   2001-167052 [JP 2001167052 A]
PUBLISHED: June 22, 2001 (20010622)
INVENTOR(s):   GREENE DANIEL H
                DEAN R DREWS
                BERSON THOMAS A
APPLICANT(s): XEROX CORP
APPL. NO.:   2000-323407 [JP 2000323407]
FILED: October 24, 2000 (20001024)
PRIORITY: 99 429539 [US 99429539], US (United States of America),
                October 28, 1999 (19991028)
INTL CLASS: G06F-015/00; G06F-003/12

ABSTRACT

PROBLEM TO BE SOLVED: To provide safe access to online contents referred to
in a hard copy document.
SOLUTION: The first request of access to the online contents referred to in
the hard copy document is received, a challenge to the first request to the
online contents is issued, a first password extracted from a password
mechanism in the hard copy document in response to this issued challenge is
received. Further, a state change for the password mechanism of the hard
copy document is provided for identifying a second password to be used
during the second request of access to the online contents referred to in
the hard copy document. Thus, safe access to the online contents referred
to in the hard copy document is provided.

7/5/4   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01649276
 Ad hoc secure access to documents and services
 Ad hoc Sicherheitszugriff auf Dokumente und Dienste
 Acces securise ad hoc a des documents et des services
PATENT ASSIGNEE:
  Xerox Corporation, (219004), Patent Department, Xerox Square - 20 A, 100.
    Clinton Avenue South, Rochester, New York 14644, (US), (Applicant
    designated States: all)
INVENTOR:
  Stringer, Mark, 5 Shenstone House, Staffordshire St., Cambridge CB1 1BP,
    (GB)
  Soutloglou, Elisabeth, 142 Aynsley Gardens, Church Langley, Harlow CM17
    9PE, (GB)
  Smetters, Diana K., 952 Laguna Avenue, Burlingame, CA 94010, (US)
LEGAL REPRESENTATIVE:
  Skone James, Robert Edmund (50281), GILL JENNINGS & EVERY Broadgate House
    7 Eldon Street, London EC2M 7LH, (GB)
PATENT (CC, No, Kind, Date): EP 1357458 A2 031029 (Basic)
APPLICATION (CC, No, Date):   EP 2003252327 030411;
PRIORITY (CC, No, Date): US 63361 020416
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 1357458 A2
    A document server (102) residing on a network behind a firewall (112)
  provides secure access to documents or services residing thereon. A first
  user (A) outside the firewall communicates with the document server (102)
  over an established first secure session to generate a token in a
  database (124) of tokens on the document server. The first user (A)
  digitally signs the public key of a second user (B) and an identifier of
  the token. The first user transmits a URL token to the second user that
  identifies the location of the document (102) server and the token
  identifier. When the second user outside the firewall (112) redeems the
  URL token at the document server, the document server and the second user
  establish a second secure session. The document server (102)
  authenticates the URL token against the second secure session before
  providing the second user with access to the document or service.
ABSTRACT WORD COUNT: 152
NOTE:
  Figure number on first page: 1
LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 031029 A2 Published application without search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200344	992
SPEC A	(English)	200344	5845
Total word count - document A			6837
Total word count - document B			0
Total word count - documents A + B			6837

7/5/5   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01619514
 Method for securing communication over a network medium
 Verfahren zur Sicherung von Kommunikation uber ein Netzwerk
 Procede pour la securisation de la communication sur un reseau
PATENT ASSIGNEE:
  Xerox Corporation, (219787), Xerox Square - 20A, 100 Clinton Avenue South
   , Rochester, New York 14644, (US), (Applicant designated States: all)
INVENTOR:
  Balfanz, Dirk, 600 Sharon Park Drive, Apt. D-103, Menlo Park, CA 94025,
   (US)
  Lopes, Cristina V., 27 Twain Street, Irvine, CA 92612, (US)
  Smetters, Diana K., 952 Laguna Avenue, Burlingame, CA 94010, (US)
  Stewart, Paul Joseph, 864 Louise Drive, Sunnyvale, California 94087, (US)
  Wong, Hao-Chi, 368 Cedar Street, San Carlos, CA 94070, (US)
LEGAL REPRESENTATIVE:
  Skone James, Robert Edmund (50281), GILL JENNINGS & EVERY Broadgate House
   7 Eldon Street, London EC2M 7LH, (GB)
PATENT (CC, No, Kind, Date):   EP 1335563   A2   030813 (Basic)
                               EP 1335563   A3   031015
APPLICATION (CC, No, Date):   EP 2003250701 030204;
PRIORITY (CC, No, Date): US 66699 020206
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO
INTERNATIONAL PATENT CLASS: H04L-029/06; H04L-012/22

ABSTRACT EP 1335563 A2
    Pre-authentication information of devices (310,320) is used to securely
  authenticate arbitrary peer-to-peer ad-hoc interactions. In one
  embodiment, public key cryptography is used in the main wireless link
  (340) with location-limited channels (330) being initially used to
  pre-authenticate devices.
ABSTRACT WORD COUNT: 39
NOTE:
  Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 030813 A2 Published application without search report
 Change: 030827 A2 Inventor information changed: 20030708
 Search Report: 031015 A3 Separate publication of the search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 200333   572
      SPEC A   (English) 200333   5979
Total word count - document A   6551
Total word count - document B   0
Total word count - documents A + B   6551

7/5/6   (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01571620

SYSTEMS AND METHODS FOR IDENTITY-BASED ENCRYPTION AND RELATED CRYPTOGRAPHIC TECHNIQUES
SYSTEMES ET PROCEDES DE CRYPTAGE SUR LA BASE DES IDENTITES, ET PROCEDURES CRYPTOGRAPHIQUES ASSOCIEES
PATENT ASSIGNEE:
  THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, (242254), 900 Welch Road, Suite 350, Stanford, CA 94304, (US), (Applicant designated States: all)
INVENTOR:
  BONEH, Dan, Gates 475, Stanford, CA 94305-9045, (US)
  FRANKLIN, Matthew, 3021 Engineering II, Davis, CA 95616, (US)
PATENT (CC, No, Kind, Date):
                         WO 2003017559   030227
APPLICATION (CC, No, Date):   EP 2002794941 020813; WO 2002US27155   020813
PRIORITY (CC, No, Date): US 311946 P 010813
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04L-001/00
LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 030423 A2 International application. (Art. 158(1))
 Application: 030423 A2 International application entering European
                             phase
LANGUAGE (Publication,Procedural,Application): English; English; English

    7/5/7   (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01481810
  SECURE AUTHENTICATION OF USERS VIA INTERMEDIATE PARTIES
  AUTHENTIFICATION SECURISEE D'UTILISATEURS VIA DES PARTIES INTERMEDIAIRES
PATENT ASSIGNEE:
  fusionOne, Inc., (3239430), 55 Almaden Boulevard - Suite 800, San Jose, California 95113, (US), (Applicant designated States: all)
INVENTOR:
  BERSON, Thomas, A., 764 Forest Avenue, Palo Alto, CA 94301, (US)
  RUDY, Stephen, M., 1631 Cowper Street, Palo Alto, CA 94301, (US)
PATENT (CC, No, Kind, Date):
                         WO 2002037749   020510
APPLICATION (CC, No, Date):   EP 2001993084 011102; WO 2001US46094   011102
PRIORITY (CC, No, Date): US 245949 P 001103
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04L-009/32
LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 021030 A1 International application. (Art. 158(1))
 Application: 021030 A1 International application entering European
                             phase
 Application: 031217 A1 International application. (Art. 158(1))
 Appl Changed: 031217 A1 International application not entering European
                             phase
 Withdrawal: 031217 A1 Date application deemed withdrawn: 20030604
LANGUAGE (Publication,Procedural,Application): English; English; English

    7/5/8   (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01371867
System, method and article of manufacture for transition state-based cryptography
System, Verfahren und Produkt zur ubergangszustandsbasierten Geheimschrift
Systeme, procede et produit pour la cryptographie basee sur l'etat de transition
PATENT ASSIGNEE:
  Xerox Corporation, (219787), Xerox Square - 20A, 100 Clinton Avenue South
  , Rochester, New York 14644, (US), (Applicant designated States: all)
INVENTOR:
  Berson, Thomas A., 764 Forest Avenue, Palo Alto, CA 94301, (US)
  Dean, R. Drews, 21070 White Fir Court, Cupertino, CA 95014, (US)
  Franklin, Matthew K., 334 Grant Avenue, Palo Alto, CA 94306, (US)
  Lunt, Teresa F., 892 Bruce Drive, Palo Alto, CA 94303, (US)
  Smetters, Diana K., 952 Laguna Avenue, Burlingame, CA 94010, (US)
LEGAL REPRESENTATIVE:
  Skone James, Robert Edmund (50281), GILL JENNINGS & EVERY Broadgate House
  7 Eldon Street, London EC2M 7LH, (GB)
PATENT (CC, No, Kind, Date): EP 1168140 A2 020102 (Basic)
                              EP 1168140 A3 030226
APPLICATION (CC, No, Date):   EP 2001305072 010611;
PRIORITY (CC, No, Date): US 596834 000619
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 1168140 A2
    A system, method and article of manufacture are provided for transition
state-based cryptography in an application including at least one state
having a state key associated with it. A request for access (308) is sent
to a server utilizing a network upon reaching a state in the application.
The request includes a state key associated with the state. A reply (312)
is received from the server in response to the request. The reply
includes an access key for providing the access if the state key is
valid. According to another embodiment of the present invention, a method
is provided for transition state-based cryptography in an application
including at least one state having a state key associated with it. A
request for access is received from a client to a server utilizing a
network. The state key is verified at the server. A reply is sent from
the server in response to the request. The reply includes an access key
for providing the access if the state key is verified. In one aspect of
the present invention, the request for access is for a subsequent state
in the application.
ABSTRACT WORD COUNT: 189
NOTE:
  Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 020102 A2 Published application without search report
 Search Report: 030226 A3 Separate publication of the search report
 Examination: 031029 A2 Date of request for examination: 20030826
LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A (English)   200201   332
     SPEC A   (English)   200201   3622
Total word count - document A   3954
Total word count - document B   0

Total word count - documents A + B   3954

  7/5/9   (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01285625
  SENSOR WITH DIGITAL SIGNATURE OF DATA RELATING TO SENSOR
  SENSOR MIT DIGITALER SIGNATUR VON SENSORBEZOGENEN DATEN
  DETECTEUR A SIGNATURE NUMERIQUE DE DONNEES RELATIVES AU DETECTEUR
PATENT ASSIGNEE:
  MALLINCKRODT INC., (1382204), 675 McDonnell Blvd, Hazelwood, MO 63042,
    (US), (Applicant designated States: all)
INVENTOR:
  BERSON, Thomas, A., 764 Forest Avenue, Palo Alto, CA 94301, (US)
  OLSON, Bryan, 400 E. Remington Drive F-155, Sunnyvale, CA 94087, (US)
  FEIN, Michael, E.,   , deceased, (US)
  MANNHEIMER, Paul, D., 4119 Sugar Maple Drive, Danville, CA 94506, (US)
  PORGES, Charles, E., 61 Mira Loma, Orinda, CA 94563, (US)
  SCHLOEMER, David, 16301 Dearborn Drive, Stilwell, KS 66085, (US)
  FEIN, Marcia, 1613 Hollingsworth Drive, Mountain View, CA 94040, (US)
LEGAL REPRESENTATIVE:
  Rees, Alexander Ellison et al (73903), Urquhart-Dykes & Lord, 30 Welbeck
    Street, London W1G 8ER, (GB)
PATENT (CC, No, Kind, Date): EP 1215995 A1 020626 (Basic)
                              WO 200122873 010405
APPLICATION (CC, No, Date): EP 2000968534 000928; WO 2000US27017 000928
PRIORITY (CC, No, Date): US 156488 P 990928; US 662246 P 000914
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: A61B-005/00; G06F-001/00
CITED PATENTS (WO A): XP 2161210
CITED REFERENCES (WO A):
  EP 949506 A
  US 4942877 A
  US 4700708 A
  MENEZES, VAN OORSCHOT, VANSTONE: "HANDBOOK OF APPLIED CRYPTOGRAPHY" BOCA
    RATON, FL, CRC PRESS,US, 1997, XP002161210 ISBN: 0-8493-8523-7;
NOTE:
  No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 010530 A1 International application. (Art. 158(1))
 Application: 010530 A1 International application entering European
                            phase
 Application: 020626 A1 Published application with search report
 Examination: 020626 A1 Date of request for examination: 20020409
 Change: 020724 A1 Inventor information changed: 20020607
LANGUAGE (Publication,Procedural,Application): English; English; English

  7/5/10   (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01272837
  System for authenticating online content referenced in hardcopy documents
  System zur Beglaubigung des Online-Inhalts der in einem bedrukten Dokument
    referenziert ist

Systeme d'authentification d'un contenu en ligne reference dans un document imprime
PATENT ASSIGNEE:
  Xerox Corporation, (219788), Xerox Square - 20A, 100 Clinton Avenue South
  , Rochester, New York 14644, (US), (Applicant designated States: all)
INVENTOR:
  Greene, Daniel H., 1055 Manet Drive 6, Sunnyvale, California 94087, (US)
  Dean, R. Drews, 21070 White Fir Court, Cupertino, California 95014, (US)
  Berson, Thomas A., 764 Forest Avenue, Palo Alto, California 94301, (US)
LEGAL REPRESENTATIVE:
  Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
  , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1096358 A1 010502 (Basic)
APPLICATION (CC, No, Date): EP 123263 001026;
PRIORITY (CC, No, Date): US 429539 991028
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 1096358 A1
    A system for controlling access to online content referenced in a
  hardcopy document. A user requesting access to online content available
  on a server responds to an authentication challenge from the server using
  a password mechanism printed in the hardcopy document. The password
  mechanism allows the user to identify a password for responding to an
  authentication request by the server. After authenticating the user, the
  server initiates a state change to enable subsequent access to the online
  content by the user with a different password that is also identified
  with the password mechanism.
ABSTRACT WORD COUNT: 94
NOTE:
  Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 010502 A1 Published application with search report
 Examination: 010801 A1 Date of request for examination: 20010522
LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 200118   517
      SPEC A   (English) 200118   6725
Total word count - document A   7242
Total word count - document B   0
Total word count - documents A + B   7242

  7/5/11   (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01210673
 Method for enabling privacy and trust in electronic communities
 **Verfahren zum Ermoglichen von Geheimhaltung und Vertrauen in elektronischen
    Gemeinschaften**
 **Methode pour parvenir a l'intimite et a la confiance dans des communautes
    electroniques**
PATENT ASSIGNEE:
  Xerox Corporation, (219787), Xerox Square - 20A, 100 Clinton Avenue South
  , Rochester, New York 14644, (US), (Applicant designated States: all)
INVENTOR:

Huberman, Bernardo A., 483 Forest Avenue, Apt.C, Palo Alto CA94301, (US)
Franklin, Matthew K., 334 Grant Avenue, Palo Alto CA94306, (US)
Hogg, Tad H., 541 Del Medio, Mountain View CA94040, (US)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
, Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1052582 A2 001115 (Basic)
                             EP 1052582 A3 030716
APPLICATION (CC, No, Date): EP 2000110372 000515;
PRIORITY (CC, No, Date): US 134179 P 990513; US 568794 000509
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT EP 1052582 A2
A method for enabling privacy and trust in electronic communities is
disclosed. A major impediment to using recommendation systems and
collective knowledge for electronic commerce is the reluctance of
individuals to reveal preferences in order to find groups of people that
share them. An equally important barrier to fluid electronic commerce is
the lack of agreed upon trusted third parties. We propose new non-third
party mechanisms to overcome these barriers. Our solutions facilitate
finding shared preferences, discovering communities with shred values,
removing disincentives posed by liabilities, and negotiating on behalf of
a group. We adapt known techniques from the cryptographic literature to
enable these new capabilities.
ABSTRACT WORD COUNT: 107
NOTE:
Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 001115 A2 Published application without search report
 Priority: 001220 A2 Priority information changed: 20001101
 Search Report: 030716 A3 Separate publication of the search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200046	502
SPEC A	(English)	200046	6508
Total word count - document A			7010
Total word count - document B			0
Total word count - documents A + B			7010

7/5/12   (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00969645
 **METHOD   AND   APPARATUS   FOR   SIMULTANEOUS   ELECTRONIC   EXCHANGE   USING   A
  SEMI-TRUSTED THIRD PARTY**
 **VERFAHREN UND EINRICHTUNG ZUM GLEICHZEITIGEN ELEKTRONISCHEN AUSTAUSCH UNTER
  VERWNDUNG EINES HALBGLAUBWURDIGEN DRITTEN TEILNEHMERS**
 **PROCEDE   ET   DISPOSITIF   CORRESPONDANT   POUR   ECHANGE   ELECTRONIQUE   SIMULTANE
  FAISANT INTERVENIR UNE TIERCE PERSONNE DE NIVEAU DE CONFIANCE MITIGE**
PATENT ASSIGNEE:
 AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
    (US), (Applicant designated States: all)
INVENTOR:

FRANKLIN, Matthew, Keith, Apartment 20D, 1 University Place, New York,
    NY 10003, (US)
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PATENT (CC, No, Kind, Date):
                                WO 9827688 980625
APPLICATION (CC, No, Date):   WO 97953257 971211; WO 97US23220 971211
PRIORITY (CC, No, Date): US 768380 961217
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
    MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: H04L-009/32; G07F-019/00
CITED PATENTS (WO A): JP 9325694 A
CITED REFERENCES (WO A):
  LUBY M ET AL: "How to simultaneously exchange a secret bit by flipping a
    symmetrically-biased coin" 24TH ANNUAL SYMPOSIUM ON FOUNDATIONS OF
    COMPUTER SCIENCE, TUCSON, AZ, USA, 7-9 NOV. 1983, ISBN 0-8186-0508-1,
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    no. SYMP. 17, 6 May 1996, INSTITUTE OF ELECTRICAL AND ELECTRONICS
    ENGINEERS, pages 55-61, XP000634833;
LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 20000412 A2 International application. (Art. 158(1))
 Application: 981125 A2 International application (Art. 158(1))
 Withdrawal: 20000412 A2 Date application deemed withdrawn: 19990719
 Appl Changed: 20000412 A2 International application not entering
                              European phase
LANGUAGE (Publication,Procedural,Application): English; English; English

   7/5/13   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00993956   **Image available**
  SYSTEM AND METHOD FOR SECURING A COMMUNICATION CHANNEL
  SYSTEME ET PROCEDE PERMETTANT DE SECURISER UN CANAL DE COMMUNICATION
Patent Applicant/Assignee:
  WAVE7 OPTICS INC, 1075 Windward Ridge Parkway, Suite 170, Alpharetta, GA
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Inventor(s):
  THOMAS Stephen A, 4397 Windsor Oaks Circle, Marietta, GA 30350, US,
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Legal Representative:
  WIGMORE Steven P (agent), King & Spalding, 191 Peachtree Street, Atlanta,
    GA 30303-1763, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200323980 A2-A3 20030320 (WO 0323980)
  Application: WO 2002US28734 20020910 (PCT/WO US0228734)
  Priority Application: US 2001318447 20010910; US 2002388497 20020614
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
  RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L-009/00
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 19010

English Abstract
  A system and method establishes a secure communication channel over an
  optical network (140). More specifically, the system and method can
  generally include securing a communications (140) channel to prevent
  unauthorized access such as eavesdropping or masquerading by employing 1)
  an encryption scheme derived from the non-linear filtering of shift
  registers, 2) a method for authenticating and exchanging parameters
  between two parties over an unsecured data channel for deriving a shared
  encryption key having a property of perfect forward secrecy, and 3)
  employing a unique format of the messages that can transport non-secret
  key exchange parameters (1135, 1140) over an unsecured data channel and
  secure communications over a data channel.

French Abstract
  L'invention concerne un systeme et un procede permettant d'etablir un
  canal de communication securise sur un reseau optique (140). Lesdits
  systeme et procede consistent, de maniere generale, a securiser un canal
  de communication (140) afin d'empecher un acces non autorise, tel qu'une
  interception illicite ou une usurpation d'identite, par utilisation 1)
  d'un mecanisme de cryptage derive du filtrage non lineaire de registres
  de decalage, 2) d'un procede d'authentification et d'echange de
  parametres entre deux parties sur un canal de donnees non securise pour
  deriver une cle de cryptage partagee possedant une propriete de
  confidentialite parfaite sur l'aval, et 3) d'un format unique de messages
  pouvant transporter des parametres d'echange de cle non secrete (1135),
  (1140) sur un canal de donnees non securise et des communications
  securisees sur un canal de donnees.

Legal Status (Type, Date, Text)
Publication   20030320 A2 Without international search report and to be
                          republished upon receipt of that report.
Search Rpt   20031218 Late publication of international search report
Republication 20031218 A3 With international search report.

  7/5/14   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00987636   **Image available**
  **SYSTEMS AND METHODS FOR IDENTITY-BASED ENCRYPTION AND RELATED CRYPTOGRAPHIC
    TECHNIQUES**
  **SYSTEMES ET   PROCEDES DE CRYPTAGE SUR LA BASE DES IDENTITES, ET PROCEDURES
    CRYPTOGRAPHIQUES ASSOCIEES**
Patent Applicant/Assignee:
  BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, 900 Welch
    Road, Suite 350, Palo Alto, CA 94304, US, US (Residence), US
    (Nationality)
Inventor(s):
  BONEH Dan, Gates 475, Stanford, CA 94305-9045, US,
  FRANKLIN Matthew, 3021 Engineering II, Davis, CA 95616, US,

Legal Representative:
  ALBOSZTA Marek (agent), 45 Cabot Ave., Suite 110, Santa Clara, CA 95051,
    US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200317559 A2-A3 20030227 (WO 0317559)
  Application: WO 2002US27155 20020813 (PCT/WO US0227155)
  Priority Application: US 2001311946 20010813
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
  TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L-009/00
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 24265

English Abstract
  A method and system for encrypting a first piece of information M to be
  sent by a sender (100) to a receiver (110) allows both sender and
  receiver to compute a secret message key using identity-based information
  and a bilinear map. In a one embodiment, the sender (100) computes an
  identity-based encryption key from an identifier ID associated with the
  receiver (110). The identifier ID may include various types of
  information such as the receiver's e-mail address, a receiver credential,
  a message identifier, or a date. The sender uses a bilinear map and the
  encryption key to compute a secret message key $g"sup"r "sub"ID$, which is
  then used to encrypt a message M, producing ciphertext V to be sent from
  the sender (100) to the receiver (110) together with an element rP. An
  identity-based decryption key $d "sub"ID$ is computed by a private key
  generator (120) based on the ID associated with the receiver and a secret
  master key s. After obtaining the private decryption key from the key
  generator (120), the receiver (110) uses it together with the element rP
  and the bilinear map to compute the secret message key $g"sup"r "sub"ID$,
  which is then used to decrypt V and recover the original message M.
  According to one embodiment, the bilinear map is based on a Weil pairing
  or a Tate pairing defined on a subgroup of an elliptic curve. Also
  described are several applications of the techniques, including key
  revocation, credential management, and return receipt notification.

French Abstract
  La presente invention concerne un procede et un systeme de cryptage
  portant sur une premiere information (M) qu'un emetteur (100) envoie a un
  recepteur (110), et qui permet a l'emetteur comme au recepteur de
  calculer une cle de cryptage de message par utilisation d'une information
  a base d'identites et de correspondances bilineaires. Selon un mode de
  realisation, l'emetteur (100) utilise un identificateur associe au
  recepteur (110) pour calculer une cle de cryptage a base d'identite. Cet
  identificateur peut comporter divers types d'informations (adresse de
  courrier electronique du recepteur, certificat de recepteur,
  identificateur de message, date). L'emetteur utilise alors des
  correspondances bilineaires pour calculer une cle de cryptage de message
  ($g"sup"r "sub"ID$), utilisee pour crypter un message (M), ce qui donne un
  texte crypte (V) pouvant etre envoye de l'emetteur (100) au recepteur

(110) accompagne d'un element (rP). Un generateur de cle privee (120) vient alors calculer une cle de decryptage a base d'identite (d"sub"ID) sur la base de l'identificateur associe au recepteur, et une cle de cryptage maitresse. Apres obtention de la cle privee du generateur de cles (120), le recepteur l'utilise accompagnee de l'element (rP) et des correspondances bilineaires pour calculer la cle de cryptage de message (g"sup"r "sub"ID). Cette derniere sert alors au decryptage du texte crypte (V) et pour recuperer le message original (M). Selon un mode de realisation, les correspondances bilineaires se font selon une logique d'associations de Weil ou de Tate definies sur la base d'un sous-groupe d'une courbe elliptique. L'invention concerne egalement plusieurs applications du procede, et notamment la revocation des cles, la gestion des certificats, la notification en retour des accuses de reception.

Legal Status (Type, Date, Text)
Publication   20030227 A2 Without international search report and to be
                         republished upon receipt of that report.
Examination   20030530 Request for preliminary examination prior to end of
                         19th month from priority date
Search Rpt   20030710 Late publication of international search report
Republication 20030710 A3 With international search report.

   7/5/15   (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00903605   **Image available**
 SECURE AUTHENTICATION OF USERS VIA INTERMEDIATE PARTIES
 AUTHENTIFICATION SECURISEE D'UTILISATEURS VIA DES PARTIES INTERMEDIAIRES
Patent Applicant/Assignee:
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    US (Residence), US (Nationality)
Inventor(s):
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  RUDY Stephen M, 1631 Cowper Street, Palo Alto, CA 94301, US,
Legal Representative:
  HARMON William J III (agent), Vierra Magen Marcus Harmon & DeNiro LLP,
    685 Market Street, Suite 540, San Francisco, CA 94105-4206, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200237749 A1 20020510 (WO 0237749)
  Application: WO 2001US46094 20011102 (PCT/WO US0146094)
  Priority Application: US 2000245949 20001103
Designated States: JP
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: H04L-009/32
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 8414

English Abstract
  An intermediate system provides remote clients with access to a primary system, such as a server. The intermediate system creates and store a log-in record (100) for each client. The log-in record contains an encrypted primary system client identifier (PSCI). The PSCI contains authentication information for verifying a client's right to access the primary system. Storing an encrypted version of the PSCI enhances the

security of the authentication information on the intermediate system. In some implementations of the present invention, the PSCI itself is an encrypted value. When a client attempts to log into the primary system, the intermediate system initially verifies the client's intermediate system access rights (104). The intermediate system makes this determination using the log-in record and data provided by the client (102). Next, the intermediate system sends the PSCI to the client's primary system for further authentication (106). The primary system uses the PSCI to verify the client's right to access primary system data (108).

French Abstract

L'invention concerne un systeme intermediaire qui fournit a des clients eloignes un acces a un systeme primaire, tel qu'un serveur. Le systeme intermediaire cree et stocke un enregistrement d'ouverture de session (100) pour chaque client. Cet enregistrement d'ouverture de session contient un identificateur chiffre de client du systeme primaire (PSCI). Ce PSCI contient des informations d'authentification destinees a verifier le droit d'un client a acceder au systeme primaire. Le stockage d'une version chiffree du PSCI permet d'ameliorer la securite des informations d'authentification sur le systeme intermediaire. Dans quelques mises en oeuvre de la presente invention, le PSCI est lui-meme une valeur chiffree. Lorsqu'un client essaie d'ouvrir une session dans le systeme primaire, le systeme intermediaire verifie initialement les droits d'acces du client au systeme intermediaire (104). Le systeme intermediaire effectue cette determination au moyen de l'enregistrement d'ouverture de session et des donnees fournies par le client (102). Par la suite, le systeme intermediaire envoie le PSCI au systeme primaire du client pour une authentification supplementaire (106). Le systeme primaire utilise le PSCI pour verifier le droit du client a acceder aux donnees du systeme primaire (108).

Legal Status (Type, Date, Text)
Publication 20020510 A1 With international search report.
Publication 20020510 A1 Before the expiration of the time limit for
                         amending the claims and to be republished in the
                         event of the receipt of amendments.

     7/5/16   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00789714   **Image available**
SENSOR WITH DIGITAL SIGNATURE OF DATA RELATING TO SENSOR
DETECTEUR A SIGNATURE NUMERIQUE DE DONNEES RELATIVES AU DETECTEUR
Patent Applicant/Assignee:
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     (Residence), US (Nationality), (For all designated states except: US)
  FEIN Marcia, 1613 Hollingsworth Drive, Mountain View, CA 94040, US, US
     (Residence), -- (Nationality), (Designated only for: US)
Inventor(s):
  FEIN Michael E (deceased),
Patent Applicant/Inventor:
  BERSON Thomas A, 764 Forest Avenue, Palo Alto, CA 94301, US, US
     (Residence), US (Nationality), (Designated only for: US)
  OLSON Bryan, 400 E. Remington Drive #F-155, Sunnyvale, CA 94087, US, US
     (Residence), US (Nationality), (Designated only for: US)
  MANNHEIMER Paul D, 4119 Sugar Maple Drive, Danville, CA 94506, US, US
     (Residence), US (Nationality), (Designated only for: US)
  PORGES Charles E, 61 Mira Loma, Orinda, CA 94563, US, US (Residence), US

       (Nationality), (Designated only for: US)
  SCHLOEMER David, 16301 Dearborn Drive, Stilwell, KS 66085, US, US
     (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  HAUGHEY Paul C (et al) (agent), Townsend and Townsend and Crew LLP, 8th
     Floor, Two Embarcadero Center, San Francisco, CA 94111, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200122873 A1 20010405 (WO 0122873)
  Application: WO 2000US27017 20000928 (PCT/WO US0027017)
  Priority Application: US 99156488 19990928; US 2000662246 20000914
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
  SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: A61B-005/00
International Patent Class: G06F-001/00
Publication Language: English
Filing Language: English

English Abstract
  A sensor has codes useful for a monitor which can be authenticated as
  accurate. The sensor produces a signal corresponding to a measured
  physiological characteristic and provides codes which can be assured of
  being accurate and authentic when used by a monitor. A memory associated
  with the sensor stores both data relating to the sensor and a digital
  signature. The digital signature authenticates the quality of the code by
  ensuring it was generated by an entity having predetermined quality
  controls, and ensures the code is accurate.

French Abstract
  Un detecteur comprend des codes utiles a un moniteur, lesquels peuvent
  etre authentifies comme etant precis. Le detecteur produit un signal
  correspondant a une caracteristique physiologique mesuree et il fournit
  des codes pouvant etre assures d'etre precis et authentiques lorsqu'ils
  sont utilises par un moniteur. Une memoire associee au detecteur stocke a
  la fois les donnees relatives au detecteur ainsi qu'une signature
  numerique. La signature numerique authentifie la qualite du code en
  assurant qu'il a ete produit par une entite ayant des controles de
  qualite predetermines, et assure que le code est exact.

Legal Status (Type, Date, Text)
Publication   20010405 A1 With international search report.
Publication   20010405 A1 Before the expiration of the time limit for
                          amending the claims and to be republished in the
                          event of the receipt of amendments.
Correction   20010614 Corrections of entry in Section 1: under (30)
                          replace "Not furnished" by "09/662,246"
Republication 20010614 A1 With international search report.
Correction   20010614 Corrections of entry in Section 1:
Examination   20010712 Request for preliminary examination prior to end of
                          19th month from priority date
Correction   20020926 Corrected version of Pamphlet: page 13, claims,
                          replaced by a new page 13; after rectification of
                          obvious errors as authorized by the International
                          Searching Authority
Republication 20020926 A1 With international search report.

7/5/17   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00437224   **Image available**
 **METHOD   AND   APPARATUS   FOR   SIMULTANEOUS   ELECTRONIC   EXCHANGE   USING   A
    SEMI-TRUSTED THIRD PARTY**
 **PROCEDE   ET   DISPOSITIF   CORRESPONDANT   POUR   ECHANGE   ELECTRONIQUE   SIMULTANE
    FAISANT INTERVENIR UNE TIERCE PERSONNE DE NIVEAU DE CONFIANCE MITIGE**
Patent Applicant/Assignee:
 AT & T CORP,
Inventor(s):
 FRANKLIN Matthew Keith,
 REITER Michael Kendrick,
Patent and Priority Information (Country, Number, Date):
 Patent: WO 9827688 A2 19980625
 Application: WO 97US23220 19971211 (PCT/WO US9723220)
 Priority Application: US 96768380 19961217
Designated States: CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
 SE
Main International Patent Class: G07F-019/00
International Patent Class: H04L-09:32
Publication Language: English
Fulltext Availability:
 Detailed Description
 Claims
Fulltext Word Count: 9294

English Abstract
  A method and apparatus for fairly exchanging documents. A first document
  is shared between principal Y and third party Z. A second document is
  shared between principal X and third party Z. Z verifies that the sharing
  of the first and second documents has been performed correctly without Z
  understanding either document. If verified, Z sends its shares of the
  first and second documents to Y and X, respectively. X and Y verify that
  Z's shares are authentic.

French Abstract
  L'invention a trait a un procede et au dispositif correspondant
  permettant d'effectuer dans les regles un echange de documents. Un
  premier document est partage entre Y, partie principale, et une tierce
  personne: Z. Un second document est partage entre X, partie principale,
  et la tierce personne: Z. Z verifie que le partage des deux documents a
  ete correctement effectue et ce, sans en avoir quelque intelligence. Le
  cas echeant, Z envoie ses propres parties du premier et du second
  document a Y et X, respectivement, qui en verifient l'authenticite.

7/5/18   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00436107   **Image available**
 **METHOD   AND   APPARATUS   FOR   SECURE   AND   AUDITABLE   METERING   OVER   A
    COMMUNICATIONS NETWORK**
 **PROCEDE   ET   APPAREIL   DE   TAXATION   SURE   ET   VERIFIABLE   POUR   RESEAUX DE
    COMMUNICATIONS**
Patent Applicant/Assignee:

AT & T CORP,
Inventor(s):
  FRANKLIN Matthew Keith,
  MALKHI Dahlia,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9826571 A2 19980618
  Application: WO 97US22444 19971210 (PCT/WO US9722444)
  Priority Application: US 96762024 19961211
Designated States: CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
  SE
Main International Patent Class: G06F-011/34
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 7454

English Abstract
    A compact metering scheme meters visits to a web site. A proxy module
  intercepts traffic between a client and a server. The proxy module
  appends a metering module to the body of information sent from the server
  to the client. The metering module measures the duration of each visit
  using a timing function F and a unique seed generated for each visit. The
  metering module returns an auditable result when the client ends the
  visit. A log keeper module is used to store each result.

French Abstract
    Cette invention se rapporte a un programme de taxation compact qui
  permet de comptabiliser les visites effectuees sur un site Web. A cet
  effet, un module mandataire intercepte le trafic entre un client et un
  serveur. Ce module mandataire annexe un module de taxation au bloc des
  informations envoyees par le serveur au client. Ce module de taxation
  calcule la duree de chaque visite en utilisant une fonction de
  chronometrage F et une graine unique generee pour chaque visite. Le
  module de taxation renvoie un resultat verifiable lorsque le client met
  un terme a sa visite. Un module de sauvegarde de releve est utilise pour
  consigner chaque resultat.

   7/5/19   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015769837   **Image available**
WPI Acc No: 2003-832039/200377
XRPX Acc No: N03-664994
 **Network access provision method involves authenticating non-registered
 user to selected contents using public key and digital signature signed
 using registered user's private key expressed as signed cryptographic
 digest**
Patent Assignee: XEROX CORP (XERO)
Inventor: SMETTERS D K; SOUTLOGLOU E; STRINGER M
Number of Countries: 032 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20030196087 A1   20031016 US 200263361   A   20020416 200377 B
EP 1357458   A2   20031029 EP 2003252327   A   20030411 200379

Priority Applications (No Type Date): US 200263361 A 20020416
Patent Details:

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Patent No  Kind Lan Pg   Main IPC      Filing Notes
US 20030196087 A1     15 H04L-009/00
EP 1357458     A2 E       G06F-001/00
   Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
   GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR
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Abstract (Basic): US 20030196087 A1
         NOVELTY - A non-registered user is enabled to access selected
   contents identified by a token identifier, only after authentication.
   The non-registered user is authenticated using public key and a digital
   signature signed using registered user's private key expressed as
   signed cryptographic digest of non-registered user's public key.
         DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
         (1) article of manufacture for providing access to network; and
         (2) document server.
         USE - For providing secure access to documents or services of
   private network such as intranet.
         ADVANTAGE - By authenticating non-registered user using digital
   signature signed using private key of registered user, dynamic access
   to information by a non-registered user is ensured.
         DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of
   the network.
         internet (104)
         user device (106,108)
         gate way (110)
         fire wall (112)
         private network (114)
         pp; 15 DwgNo 1/5
Title Terms: NETWORK; ACCESS; PROVISION; METHOD; AUTHENTICITY; NON;
   REGISTER; USER; SELECT; CONTENT; PUBLIC; KEY; DIGITAL; SIGNATURE; SIGN;
   REGISTER; USER; PRIVATE; KEY; EXPRESS; SIGN; CRYPTOGRAPHIC; DIGEST
Derwent Class: T01; W01
International Patent Class (Main): G06F-001/00; H04L-009/00
File Segment: EPI

   7/5/20   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015683030   **Image available**
WPI Acc No: 2003-745219/200370
XRPX Acc No: N03-596943
 **Network communication securing method, involves authenticating
 communication from device by using pre-authentication information secured
 by another device**
Patent Assignee: XEROX CORP (XERO)
Inventor: BALFANZ D; LOPES C V; SMETTERS D K; STEWART P J; WONG H; LOPES C;
   SMETTERS D; STEWART P
Number of Countries: 033 Number of Patents: 003
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
US 20030149874 A1   20030807 US 200266699   A   20020206 200370 B
EP 1335563   A2   20030813 EP 2003250701   A   20030204 200370
JP 2003309558 A   20031031 JP 200326278   A   20030203 200374

Priority Applications (No Type Date): US 200266699 A 20020206
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
```

US 20030149874 A1    20 H04L-009/00
EP 1335563    A2 E    H04L-029/06
   Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
   GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR
JP 2003309558 A     12 H04L-009/32

Abstract (Basic): US 20030149874 A1
      NOVELTY - The method involves transmitting pre-authentication
   information from a device to another over a location-limited channel.
   The pre-authentication information secured by the later device is used
   to authenticate the communication from the former device.
      USE - Used for securing communication over network medium between
   two devices.
      ADVANTAGE - The pre-authentication of the wireless devices
   eliminates the cave droppers of the medium, thereby allowing the user
   to exchange desired data between the devices.
      DESCRIPTION OF DRAWING(S) - The drawing shows a communication
   authenticating system for a group of devices.
      pp; 20 DwgNo 9/11
Title Terms: NETWORK; COMMUNICATE; SECURE; METHOD; AUTHENTICITY;
   COMMUNICATE; DEVICE; PRE; AUTHENTICITY; INFORMATION; SECURE; DEVICE
Derwent Class: P85; T01; W01
International Patent Class (Main): H04L-009/00; H04L-009/32; H04L-029/06
International Patent Class (Additional): G06F-015/00; G09C-001/00;
   H04L-009/08; H04L-012/22; H04L-012/28; H04Q-007/38
File Segment: EPI; EngPI


   **7/5/21      (Item 3 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

015355172     **Image available**
WPI Acc No: 2003-416110/200339
Related WPI Acc No: 2003-393066; 2003-729878
XRPX Acc No: N03-331619
   **Nested loader apparatus for cryptographic system, has base module which
   is programmed to verify presence of unique property of filler module and
   to dynamically load filler module into slot, only when unique property is
   correctly verified**
Patent Assignee: NOVELL INC (NOVE-N)
Inventor: BERSON T A; KINGDON K W; SCHELL R R
Number of Countries: 001  Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|-----------|------|------|-------------|------|------|------|---|
| US 6532451 | B1 | 20030311 | US 9879133 | P | 19980323 | 200339 | B |
|  |  |  | US 99274532 | A | 19990323 |  | |

Priority Applications (No Type Date): US 9879133 P 19980323; US 99274532 A
   19990323
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|-----|----------|--------------|
| US 6532451 | B1 |  | 24 | H04L-009/00 | Provisional application US 9879133 |

Abstract (Basic): US 6532451 B1
      NOVELTY - The apparatus (10) includes a base module provided with
   slots (302,332,336) adapted to receive the filler modules. The filler
   module contains an unique property which is alterable by an authorized
   creator of the module. The base module is programmed to verify the
   presence of unique property of filler module, and to dynamically load

the filler module into the slot, only if the unique property is
correctly verified.
    DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
    (1) memory device; and
    (2) integration limitation method of software modules.
    USE - Nested loader apparatus for cryptographic system used for
military communication.
    ADVANTAGE - The individual and distinct modular cryptography
modules are hosted by a single base application operating on a
computer. The base module recognizes and operates only those modules
having valid signatures corresponding to software development kit of
known authorized agents or distributors and in accordance with
authorized policies.
    DESCRIPTION OF DRAWING(S) - The figures show schematic block
diagrams of slot arrangement.
    nested loader apparatus (10)
    slots (302,332,336)
    pp; 24 DwgNo 7, 8/8
Title Terms: NEST; LOAD; APPARATUS; CRYPTOGRAPHIC; SYSTEM; BASE; MODULE;
  PROGRAM; VERIFICATION; PRESENCE; UNIQUE; PROPERTIES; FILL; MODULE;
  DYNAMIC; LOAD; FILL; MODULE; SLOT; UNIQUE; PROPERTIES; CORRECT;
  VERIFICATION
Derwent Class: T01; W01
International Patent Class (Main): H04L-009/00
File Segment: EPI


  **7/5/22       (Item 4 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2003  Thomson Derwent. All rts. reserv.


015332131      **Image available**
WPI Acc No: 2003-393066/200337
Related WPI Acc No: 2003-416110; 2003-729878
XRPX Acc No: N03-314165
  **Software module integration limitation method for cryptographic system,
  processing loader of dynamically loaded filler module, to verify unique
  property of another filler module to be loaded**
Patent Assignee: NOVELL INC (NOVE-N)
Inventor: BERSON T A; KINGDON K W; SCHELL R R
Number of Countries: 001  Number of Patents: 001
Patent Family:
| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 20030061483 | A1 | 20030327 | US 9879133 | P | 19980323 | 200337 | B |
| | | | US 99247532 | A | 19990210 | | |
| | | | US 2002279517 | A | 20021024 | | |

Priority Applications (No Type Date): US 9879133 P 19980323; US 99247532 A
  19990210; US 2002279517 A 20021024
Patent Details:
| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20030061483 | A1 | | 24 | H04L-009/00 | Provisional application US 9879133 |

                                          Cont of application US 99247532
                                          Cont of patent US 6333290


Abstract (Basic): US 20030061483 A1
    NOVELTY - A filler module with cryptographic information
    identifying an unique property is dynamically loaded into an operating

system, after verification of the unique property by a loader. The
loader of the filler module is processed to dynamically load another
filler module after verifying its unique property using the processed
loader.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
data structure for dynamically integrating software modules.
      USE - For limiting integration of software module in cryptographic
system.
      ADVANTAGE - Enables hosting multiple dynamically linked
cryptographic modules by a single base application, thereby the modules
are separately accessed, authorized and used
      DESCRIPTION OF DRAWING(S) - The figure shows a block diagram
showing arrangement of modules in the data structure to limit software
module integration.
      pp; 24 DwgNo 1/8
Title Terms: SOFTWARE; MODULE; INTEGRATE; LIMIT; METHOD; CRYPTOGRAPHIC;
   SYSTEM; PROCESS; LOAD; DYNAMIC; LOAD; FILL; MODULE; VERIFICATION; UNIQUE;
   PROPERTIES; FILL; MODULE; LOAD
Derwent Class: T01
International Patent Class (Main): H04L-009/00
File Segment: EPI


    **7/5/23      (Item 5 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2003  Thomson Derwent. All rts. reserv.


015207926      **Image available**
WPI Acc No: 2003-268462/200326
XRPX Acc No: N03-213298
 **Facilitating method for personal attention for an individual via wireless
 networks automatically responding to detection of an individual by
 transmitting information regarding that individual over wireless link to
 portable display**
Patent Assignee: ASARIA N (ASAR-I); FRANKLIN M (FRAN-I); JAMES M (JAME-I);
   KRAMER R (KRAM-I); KREMER K (KREM-I); MOORES J (MOOR-I); VISURI P
   (VISU-I); ZEPS R (ZEPS-I); TABULA RASA INC (TABU-N)
Inventor: ASARIA N; FRANKLIN M; JAMES M; KRAMER R; KREMER K; MOORES J;
   VISURI P; ZEPS R; COKELEY B; MAKIE T
Number of Countries: 100  Number of Patents: 004
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|-----------|------|------|-------------|------|------|------|---|
| WO 200319344 | A1 | 20030306 | WO 2002US25914 | A | 20020813 | 200326 | B |
| US 20030043042 | A1 | 20030306 | US 2001938356 | A | 20010821 | 200331 | |
| | | | US 2001955535 | A | 20010912 | | |
| | | | US 2001993171 | A | 20011113 | | |
| US 20030043040 | A1 | 20030306 | US 2001938356 | A | 20010821 | 200331 | |
| US 20030043041 | A1 | 20030306 | US 2001938356 | A | 20010821 | 200331 | |
| | | | US 2001955535 | A | 20010912 | | |


Priority Applications (No Type Date): US 2001993171 A 20011113; US
   2001938356 A 20010821; US 2001955535 A 20010912
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
| WO 200319344 | A1 | E | 56 | G06F-003/02 | |

      Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
      CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
      IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
      OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA
      ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
   GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
US 20030043042 A1          G08B-023/00     CIP of application US 2001938356
                                           CIP of application US 2001955535
US 20030043040 A1          G08B-023/00
US 20030043041 A1          G08B-023/00     CIP of application US 2001938356

Abstract (Basic): WO 200319344 A1
       NOVELTY - The method involves detecting the presence of an
   individual by reading an encoded tag associated with the individual.
   The detection of the individual provokes an automatic response of
   transmitting information regarding that individual over a wireless link
   to a portable display device. A selected portion of the information is
   displayed on a display portion of the display device. The encoded tag
   comprises a radio frequency identification (RFID) tag.
       DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
       (a) a system.
       USE - For identification of individuals.
       ADVANTAGE - Efficient and reliable system for identifying and
   gathering information about an individual e.g. in an emergency.
       DESCRIPTION OF DRAWING(S) - The figure shows the system.
       pp; 56 DwgNo 1/23
Title Terms: FACILITATE; METHOD; PERSON; ATTENTION; INDIVIDUAL; WIRELESS;
   NETWORK; AUTOMATIC; RESPOND; DETECT; INDIVIDUAL; TRANSMIT; INFORMATION;
   INDIVIDUAL; WIRELESS; LINK; PORTABLE; DISPLAY
Derwent Class: T01; T05; W01; W02
International Patent Class (Main): G06F-003/02; G08B-023/00
File Segment: EPI


   7/5/24      (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003  Thomson Derwent. All rts. reserv.


015161769     **Image available**
WPI Acc No: 2003-222297/200321
XRPX Acc No: N03-177276
   Identity-based encryption e.g. for crytographic systems, where the sender
   and receiver compute a secret message key using identity-based
   information and a bilinear map
Patent Assignee: BONEH D (BONE-I); FRANKLIN M (FRAN-I); UNIV LELAND
   STANFORD JUNIOR (STRD  )
Inventor: BONEH D; FRANKLIN M
Number of Countries: 089  Number of Patents: 002
Patent Family:
Patent No     Kind   Date     Applicat No    Kind   Date      Week
WO 200317559  A2   20030227   WO 2002US27155  A    20020813  200321  B
US 20030081785 A1  20030501   US 2001311946   P    20010813  200331
                              US 2002218697   A    20020813


Priority Applications (No Type Date): US 2001311946 P 20010813; US
   2002218697 A 20020813
Patent Details:
Patent No  Kind Lan Pg   Main IPC     Filing Notes
WO 200317559 A2 E  78 H04L-000/00
   Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
   CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
   LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
   SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

     Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
   GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
US 20030081785 A1          H04L-009/00   Provisional application US 2001311946

Abstract (Basic): WO 200317559 A2
        NOVELTY - Encrypting a piece of information M to be sent by a
   sender (100) to a receiver (110) allows both sender and receiver to
   compute a secret message key using identity-based information and a
   bilinear map. The identifier ID may include various types of
   information such as the receiver's e-mail address, a receiver
   credential, a message identifier, or a date. The sender uses a bilinear
   map and the encryption key to compute a secret message key, which is
   then used to encrypt a message M, producing ciphertext V to be sent
   from the sender (100) to the receiver (110) together with an element.
        DETAILED DESCRIPTION - An identity-based decryption key is computed
   by a private key generator (120) based on the ID associated with the
   receiver and a secret master key. After obtaining the private
   decryption key from the key generator (120), the receiver (110) uses it
   together with the element and the bilinear map to compute the secret
   message key, which is then used to decrypt V and recover the original
   message M. INDEPENDENT CLAIM included for the following:method to
   generate a decryption key; ,method for encrypting; computer readable
   storage medium; method for providing system parameters; method of
   communicating; electronic message
        USE - For crytographic systems.
        ADVANTAGE - Provides an improved cryptographic method.
        DESCRIPTION OF DRAWING(S) - The diagram shows a cryptosystem,
   showing steps taken by a sender, a receiver, and a private key
   generator (PKG), and information communicated between them
        sender (100)
        receiver (110)
        pp; 78 DwgNo 1/12
Title Terms: IDENTIFY; BASED; ENCRYPTION; SYSTEM; SEND; RECEIVE;
   COMPUTATION; SECRET; MESSAGE; KEY; IDENTIFY; BASED; INFORMATION; MAP
Derwent Class: T01; W01
International Patent Class (Main): H04L-000/00; H04L-009/00
File Segment: EPI


   **7/5/25       (Item 7 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

015028846     **Image available**
WPI Acc No: 2003-089363/200308
XRPX Acc No: N03-070406
   **Wireless signal transmission method for CDMA-based mobile communication
   system, involves providing non-summed composite version of wireless
   signal**
Patent Assignee: QUALCOMM INC (QUAL-N)
Inventor: BAKER K R; DEAN R
Number of Countries: 001  Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 6459725 | B1 | 20021001 | US 98126694 | A | 19980731 | 200308 | B |

Priority Applications (No Type Date): US 98126694 A 19980731
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 6459725 | B1 | | 15 | H03K-011/00 | |

Abstract (Basic): US 6459725 B1
        NOVELTY - The versions (553,555) of a wire signal, are received by
    receiver system (552,554), respectively. A switch (556) switches
    between the versions of the wireless signal and provides a non-summed
    composite version (557) of the wireless signal that includes
    multiplexed portions of the versions (553,555), to a transmitter system
    (558).
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
    following:
        (1) Wireless communication system; and
        (2) Repeater system.
        USE - For CDMA-based mobile communication system.
        ADVANTAGE - By transmitting a non-summed composite version of the
    wireless signal, diversity between the repeater and the base station is
    improved and hence reliability of the system is increased. Also, due to
    improved diversity, fading is minimized, signal power requirements are
    reduced, three-decibel SNR loss is reduced, thereby reducing cost of
    user communication devices while increasing operational battery life.
        DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of
    communication system.
        Receiver systems (552,554)
        Versions of wire signal (553,555)
        Switch (556)
        Non-summed composite version (557)
        Transmitter system (558)
        pp; 15 DwgNo 5/10
Title Terms: WIRELESS; SIGNAL; TRANSMISSION; METHOD; CDMA; BASED; MOBILE;
    COMMUNICATE; SYSTEM; NON; SUM; COMPOSITE; VERSION; WIRELESS; SIGNAL
Derwent Class: U21; W01; W02
International Patent Class (Main): H03K-011/00
International Patent Class (Additional): H04L-025/60; H04L-025/64
File Segment: EPI


    7/5/26      (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014727694    **Image available**
WPI Acc No: 2002-548398/200258
Related WPI Acc No: 2002-548359
XRPX Acc No: N02-434180
  **Smart routing for guest room services e.g. door locks, mini-bar
  monitoring, etc. that enables hotels to cheaply administer power
  management in guest rooms**
Patent Assignee: INNCOM INT INC (INNC-N)
Inventor: BUCKINGHAM D W; FRANKLIN M; ROOSLI P A; SCOTT T A
Number of Countries: 096  Number of Patents: 001
Patent Family:
Patent No      Kind   Date     Applicat No   Kind   Date      Week
WO 200260111   A2    20020801   WO 2002US2354  A    20020124  200258  B


Priority Applications (No Type Date): US 2001323872 P 20010921; US
    2001263940 P 20010124
Patent Details:
Patent No   Kind Lan Pg   Main IPC    Filing Notes
WO 200260111  A2 E  30 H04L-000/00
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS

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JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW
```

Abstract (Basic): WO 200260111 A2
        NOVELTY - Involves storing in a memory several addresses
corresponding to several guest room control devices. Each guest room
control device includes a centralized electronic locking system
component, a guest room energy management system component, a direct
digital control system component and a mini-bar monitoring device. The
address of a guest room control device is selected from the number of
addresses. Control data is encapsulated in a packet and sent to the
guest room control device through a network.
        USE - To provide guest room services e.g. door locks, mini-bar
monitoring, etc. and guest room control in a building e.g. for power
saving.
        ADVANTAGE - Enables hotels to cheaply administer power management
in guest rooms.
        DESCRIPTION OF DRAWING(S) - The drawing shows a schematic diagram
of the system in which the routing method is employed.
        pp; 30 DwgNo 1/5
Title Terms: SMART; ROUTE; GUEST; ROOM; SERVICE; DOOR; LOCK; MINI; BAR;
   MONITOR; ENABLE; HOTEL; CHEAP; ADMINISTER; POWER; MANAGEMENT; GUEST; ROOM
Derwent Class: W01; W05; X12
International Patent Class (Main): H04L-000/00
File Segment: EPI

   7/5/27   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014727655   **Image available**
WPI Acc No: 2002-548359/200258
Related WPI Acc No: 2002-548398
XRPX Acc No: N02-434142
 **Guest room service and control system for a building e.g. a hotel has
 local area network, guest room networks, room hub, guest room control
 device and guest room service device**
Patent Assignee: INNCOM INT INC (INNC-N)
Inventor: BUCKINGHAM D W; FRANKLIN M; ROOSLI P A; SCOTT T A
Number of Countries: 096 Number of Patents: 001
Patent Family:
```
Patent No      Kind   Date     Applicat No     Kind   Date      Week
WO 200259764   A1   20020801   WO 2002US2264   A    20020124   200258  B
```

Priority Applications (No Type Date): US 2001323872 P 20010921; US
   2001263940 P 20010124
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200259764 A1 E   36 G06F-015/173
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
    JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
    PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200259764 A1

NOVELTY - The system includes a local area network. Several guest
room networks are coupled to the local area network. Each guest room
network is associated with a guest room in the building. Each guest
room network includes a room hub coupled to the local area network and
a guest room control device coupled to the room hub.
    DETAILED DESCRIPTION - A guest room service device coupled to the
room hub is a computer, a voice over Internet Protocol phone, an
Internet Protocol radio or a television signal converter. Data between
the local area network and the room hub is communicated in packets
configured according to a first communications protocol.
    USE - For environment control of guest rooms in hotel e.g. of
heating.
    ADVANTAGE - Allows energy to be conserved in guest room leading to
more economical running costs.
    DESCRIPTION OF DRAWING(S) - The figure shows a centralized guest
room control system.
    pp; 36 DwgNo 1/5
Title Terms: GUEST; ROOM; SERVICE; CONTROL; SYSTEM; BUILD; HOTEL; LOCAL;
  AREA; NETWORK; GUEST; ROOM; NETWORK; ROOM; HUB; GUEST; ROOM; CONTROL;
  DEVICE; GUEST; ROOM; SERVICE; DEVICE
Derwent Class: T01; T05; W01; W05; X27
International Patent Class (Main): G06F-015/173
File Segment: EPI

   7/5/28   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014700916   **Image available**
WPI Acc No: 2002-521620/200256
XRPX Acc No: N02-412761
 **Document forgery protection printing method involves printing fragile or
 robust watermarks corresponding to protection level determined based on
 determined forgery protection requirement**
Patent Assignee: XEROX CORP (XERO)
Inventor: BELL A G; BERSON T A; BREUEL T M; CASS T; CURRY D N; FRANKLIN M K
 ; GREENE D H; HECHT D L; KRIVACIC R T; LUNT T F; R DREWS D; STEFIK M J
Number of Countries: 027 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1209897	A2	20020529	EP 2001309647	A	20011115	200256	B
JP 2002190947	A	20020705	JP 2001290056	A	20010921	200259	

Priority Applications (No Type Date): US 2000722508 A 20001128; US
  2000722362 A 20001128
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1209897	A2	E	22	H04N-001/32	

    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI TR

| JP 2002190947 | A | | 14 | H04N-001/387 | |

Abstract (Basic): EP 1209897 A2
    NOVELTY - A protection level (130) to be applied to a document
(140) is determined based on forgery protection requirements determined
by processing the document's image. Fragile or robust watermarks
corresponding to the determined protection level are printed on the
document using a selected printer.
    DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for

document forgery protection printing system.
       USE - For protecting document against forgery.
       ADVANTAGE - The fragile or robust watermark identify the custodian
of the original document, the restrictions on further copying that
apply to the custodian and to the original document, and other
information that serves to more uniquely identify the original
document, thereby detecting forgery accurately.
       DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of a
print management system.
       Protection level (130)
       Document (140)
       pp; 22 DwgNo 1/11
Title Terms: DOCUMENT; FORGE; PROTECT; PRINT; METHOD; PRINT; FRAGILE;
  ROBUST; WATERMARK; CORRESPOND; PROTECT; LEVEL; DETERMINE; BASED;
  DETERMINE; FORGE; PROTECT; REQUIRE
Derwent Class: P75; T01; W02
International Patent Class (Main): H04N-001/32; H04N-001/387
International Patent Class (Additional): B41J-005/30; B41J-029/00;
  B41J-029/38; G06F-003/12; G06T-001/00; H04N-001/40
File Segment: EPI; EngPI

   7/5/29   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014615056   **Image available**
WPI Acc No: 2002-435760/200246
Related WPI Acc No: 2002-444392
XRPX Acc No: N02-343010
  **Secure authentication of users via intermediate parties in computer
  communications to provide remote clients with access to server by
  creating log in records for clients**
Patent Assignee: BERSON T A (BERS-I); RUDY S M (RUDY-I); FUSIONONE INC
  (FUSI-N)
Inventor: BERSON T A; RUDY S M
Number of Countries: 021 Number of Patents: 002
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
WO 200237749   A1   20020510 WO 2001US46094 A   20011102 200246 B
US 20020087866 A1   20020704 US 2000245949   P   20001103 200247
                                US 20013693   A   20011102

Priority Applications (No Type Date): US 2000245949 P 20001103; US 20013693
  A 20011102
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
WO 200237749 A1 E   44 H04L-009/32
   Designated States (National): JP
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE TR
US 20020087866 A1   H04K-001/00   Provisional application US 2000245949

Abstract (Basic): WO 200237749 A1
       NOVELTY - An intermediate system creates log in records for each
   client, receives log in data from a client and determines if the client
   should be authenticated for access to the intermediate system. It sends
   primary system authentication data to the identified primary system and
   the primary system determines whether to authenticate the client. If
   authentication is successful, an acknowledgment is sent to the

intermediate system and the application is performed.
    DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
following;
        (1) for a processor readable storage medium;
        (2) for access providing apparatus.
    USE - Securing computer communications.
    ADVANTAGE - Reduced resources expended in uploading and storing
primary system data.
    DESCRIPTION OF DRAWING(S) - The drawing is a flow chart of the
process.
    pp; 44 DwgNo 2/9
Title Terms: SECURE; AUTHENTICITY; USER; INTERMEDIATE; PARTY; COMPUTER;
  COMMUNICATE; REMOTE; CLIENT; ACCESS; SERVE; LOG; RECORD; CLIENT
Derwent Class: T01; W01
International Patent Class (Main): H04K-001/00; H04L-009/32
File Segment: EPI

    7/5/30   (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014367191   **Image available**
WPI Acc No: 2002-187893/200224
XRPX Acc No: N02-142459
 **Real estate investment instrument creation method involves reaggregating
 multiple tenant-in-common deeds after specified interval, by using
 multiple deedshares that are created from real estate portfolio**
Patent Assignee: AMERICAN MASTER LEASE LLC (AMMA-N)
Inventor: ANDREWS J; FRANKLIN M; ROBERTS N; RUNNELS C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020013750	A1	20020131	US 98205633	A	19981203	200224	B
			US 2001956372	A	20010917		

Priority Applications (No Type Date): US 98205633 A 19981203; US 2001956372
  A 20010917
Patent Details:

Patent No	Kind Lan	Pg	Main IPC	Filing Notes
US 20020013750 A1		14	G06F-017/60	Cont of application US 98205633
				Cont of patent US 6292788

Abstract (Basic): US 20020013750 A1
    NOVELTY - A real property is aggregated to form a real estate
portfolio. The property in the portfolio is encumbered with a master
agreement. Multiple deedshares are created by dividing the title in the
portfolio into multiple tenant-in-common deeds of predetermined
denomination. The tenant-in-common deeds are reaggregated after a
specified interval, by using the created deedshares.
    DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
tax-deferred real estate investment exchanging method.
    USE - For creating real estate investment instrument for
transaction of tax-deferred real estate.
    ADVANTAGE - Provides safety, steady income stream, divisibility,
ready liquidity and no involvement in management of the property.
    DESCRIPTION OF DRAWING(S) - The figure shows the new real estate
investment method and instrument.
    pp; 14 DwgNo 2/8
Title Terms: REAL; ESTATE; INVESTMENT; INSTRUMENT; CREATION; METHOD;
  MULTIPLE; COMMON; AFTER; SPECIFIED; INTERVAL; MULTIPLE; REAL; ESTATE;

PORTFOLIO
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

7/5/31   (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014278498   **Image available**
WPI Acc No: 2002-099199/200214
XRPX Acc No: N02-073330
 Transition state-based cryptographic method for use in game, military
 applications, involves providing access key to user in response to
 request, only upon presentation of valid state key
Patent Assignee: XEROX CORP (XERO)
Inventor: BERSON T A; DEAN R D; FRANKLIN M K; LUNT T F; SMETTERS D K
Number of Countries: 027 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1168140	A2	20020102	EP 2001305072	A	20010611	200214	B
JP 2002077138	A	20020315	JP 2001170639	A	20010606	200222	

Priority Applications (No Type Date): US 2000596834 A 20000619
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1168140	A2	E	13	G06F-001/00	

    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI TR
JP 2002077138 A   9 H04L-009/16

Abstract (Basic): EP 1168140 A2
       NOVELTY - A request including a state key is forwarded from a user
    to a server through LAN, WAN, wireless network or Internet, to obtain
    access to data and/or a subsequent state of the application, when
    reaching a particular state in the application. The validity of the
    state key is analyzed by the server in response to the request, and a
    required access key is provided when the state key is valid.
       DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
       (a) Transition state-based cryptographic system;
       (b) Transition state-based cryptographic program recorded on
    computer readable medium
       USE - For workflow applications, military applications, game
    applications such as computer games or simulations, including single
    player or multi player game, to allow progression to subsequent stages
    of workflow, confidential military map and game levels respectively.
       ADVANTAGE - Protects confidentiality of data until some predefined
    condition has occurred, by revealing next portion of data only when
    valid state key is presented. Results in saving of network bandwidth,
    as the need to move large qualities of application data from server to
    application across the network is alleviated. Ensures security of
    transmitted application data, as the data are transmitted as state keys
    or access keys, avoiding interception by other parties.
       DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining
    the process of transition state-based cryptography.
       pp; 13 DwgNo 3/7
Title Terms: TRANSITION; STATE; BASED; CRYPTOGRAPHIC; METHOD; GAME;
  MILITARY; APPLY; ACCESS; KEY; USER; RESPOND; REQUEST; PRESENT; VALID;

STATE; KEY
Derwent Class: T01; W01
International Patent Class (Main): G06F-001/00; H04L-009/16
International Patent Class (Additional): G06F-012/00; G06F-012/14
File Segment: EPI

7/5/32   (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014104832   **Image available**
WPI Acc No: 2001-589046/200166
Related WPI Acc No: 2002-187893
XRPX Acc No: N01-438692
 **Investment process creation method for tax-deferred exchanges in real
 estate business, involves producing tenant-in-common deed shares by
 dividing property capital and recombining deeds based on master agreement**
Patent Assignee: AMERICAN MASTER LEASE LLC (AMMA-N)
Inventor: ANDREWS J; FRANKLIN M; ROBERTS N; RUNNELS C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6292788	B1	20010918	US 98205633	A	19981203	200166	B

Priority Applications (No Type Date): US 98205633 A 19981203
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6292788	B1		15	G06F-017/60	

Abstract (Basic): US 6292788 B1
      NOVELTY - The real properties are combined to form a real estate
   portfolio and is encumbered using a master agreement. Capital of the
   property is divided into tenant-in-common deeds of predetermined
   denomination. The deeds are recombined at specific interval, based on
   the procedures described in master agreement.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
   method of performing a tax deferred exchange of investment.
      USE - For performing tax-deferred exchanges in commercial and other
   real estate business.
      ADVANTAGE - Provides safety and steady income stream with ready
   liquidity without involvement in property management. Provides right to
   master tenant for sublease the real estate.
      DESCRIPTION OF DRAWING(S) - The figure shows the structure of new
   real estate investment method and investment rules.
      pp; 15 DwgNo 2/8
Title Terms: INVESTMENT; PROCESS; CREATION; METHOD; TAX; DEFER; EXCHANGE;
   REAL; ESTATE; BUSINESS; PRODUCE; COMMON; DEED; SHARE; DIVIDE; PROPERTIES;
   CAPITAL; RECOMBINATION; BASED; MASTER; AGREE
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

7/5/33   (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014067007   **Image available**
WPI Acc No: 2001-551220/200162

XRPX Acc No: N01-409568
 **Access control system for authenticating online content referenced in
 hardcopy documents has user responding to an authentication challenge
 from the server using a password mechanism printed in the hardcopy
 document**
Patent Assignee: XEROX CORP (XERO)
Inventor: BERSON T A; DEAN R D; GREENE D H
Number of Countries: 026 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1096358	A1	20010502	EP 2000123263	A	20001026	200162	B
JP 2001167052	A	20010622	JP 2000323407	A	20001024	200162	

Priority Applications (No Type Date): US 99429539 A 19991028
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1096358	A1	E	28	G06F-001/00	

    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI

JP 2001167052	A		16	G06F-015/00	

Abstract (Basic): EP 1096358 A1
        NOVELTY - The access control system authenticates online content
    referenced in hardcopy documents has the user responding to an
    authentication challenge from the server using a password mechanism
    printed in the hardcopy document which allows the user to identify a
    password for responding to the request by the server.
        DETAILED DESCRIPTION - Independent claims describe a server for
    providing secure access to online content and a hardcopy document.
        USE - As a system for authenticating online content referenced in
    hardcopy documents.
        ADVANTAGE - After authenticating the user the server initiates a
    state change to enable subsequent access to the online content by the
    user with a different password that is also identified with the
    password mechanism.
        DESCRIPTION OF DRAWING(S) - The drawing shows a detailed view of a
    page of the hardcopy document with a reference to online content and a
    password mechanism for responding to challenges to requests for access
    to the online content.
        the login reference (116)
        the page (115)
        the hardcopy document (112)
        pp; 28 DwgNo 2/25
Title Terms: ACCESS; CONTROL; SYSTEM; AUTHENTICITY; CONTENT; REFERENCE;
  DOCUMENT; USER; RESPOND; AUTHENTICITY; SERVE; PASSWORD; MECHANISM; PRINT;
  DOCUMENT
Derwent Class: T01
International Patent Class (Main): G06F-001/00; G06F-015/00
International Patent Class (Additional): G06F-003/12
File Segment: EPI

    7/5/34   (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014018353   **Image available**
WPI Acc No: 2001-502567/200155
XRPX Acc No: N01-372726
 Data object access right granting method involves creating and forwarding

license object cell related with data object cell, to user computer
Patent Assignee: MEDIADNA INC (MEDI-N)
Inventor: FRANKLIN M; KNAUFT C
Number of Countries: 094   Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200150319	A2	20010712	WO 2000US35103	A	20001222	200155	B
AU 200125945	A	20010716	AU 200125945	A	20001222	200169	

Priority Applications (No Type Date): US 99474830 A 19991230
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
WO 200150319	A2 E 88	G06F-017/00	

   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
   CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
   KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
   RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200125945 A   G06F-017/00   Based on patent WO 200150319

Abstract (Basic): WO 200150319 A2
        NOVELTY - Data object cell is created and sent to user computer
   (115) over a network. A license object cell related to data object cell
   is created and sent to the computer over the network. Access to data
   object cell is granted based upon information in the related license
   object cell.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
        (a) Data object management method;
        (b) Network for providing service to use;
        (c) Data object management system;
        (d) Data object cell;
        (e) License object cell;
        (f) Database containing user data, content data and license data
        USE - For digital rights management (DRM) of on-line customer for
   providing goods and service through internet.
        ADVANTAGE - Provides complete control over a customer's access to
   information, by allowing customer to access content as prescribed by
   terms of content cell and license cell. Since the license management
   system is available for immediate access through communication medium,
   the customer can access the content without much delay.
        DESCRIPTION OF DRAWING(S) - The figure shows the high level block
   diagram of data object access right management method.
        User computer (115)
        pp; 88 DwgNo 1/14
Title Terms: DATA; OBJECT; ACCESS; RIGHT; METHOD; FORWARDING; LICENCE;
   OBJECT; CELL; RELATED; DATA; OBJECT; CELL; USER; COMPUTER
Derwent Class: T01
International Patent Class (Main): G06F-017/00
File Segment: EPI

    7/5/35   (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013905415   **Image available**
WPI Acc No: 2001-389628/200141
XRPX Acc No: N01-315993

Pulse oximetry sensor for measuring blood flow characteristics, has memory in which sensor signal is stored along with digital signature

Patent Assignee: MALLINCKRODT INC (MLCW   )
Inventor: BERSON T A; FEIN M E; MANNHEIMER P D; OLSON B; PORGES C E;
  SCHLOEMER D
Number of Countries: 095 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200122873	A1	20010405	WO 2000US27017	A	20000928	200141	B
AU 200078430	A	20010430	AU 200078430	A	20000928	200142	
BR 200014345	A	20020611	BR 200014345	A	20000928	200248	
			WO 2000US27017	A	20000928		
EP 1215995	A1	20020626	EP 2000968534	A	20000928	200249	
			WO 2000US27017	A	20000928		
KR 2002064292	A	20020807	KR 2002704038	A	20020328	200309	
CN 1407870	A	20030402	CN 2000816334	A	20000928	200345	
JP 2003524948	W	20030819	WO 2000US27017	A	20000928	200356	
			JP 2001526093	A	20000928		
NZ 517977	A	20031031	NZ 517977	A	20000928	200380	
			WO 2000US27017	A	20000928		

Priority Applications (No Type Date): US 2000662246 A 20000914; US 99156488
  P 19990928
Patent Details:

Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200122873 A1 E 33 A61B-005/00
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
AU 200078430 A   A61B-005/00   Based on patent WO 200122873
BR 200014345 A   A61B-005/00   Based on patent WO 200122873
EP 1215995   A1 E   A61B-005/00   Based on patent WO 200122873
    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI
KR 2002064292 A   A61B-005/00
CN 1407870   A   A61B-005/00
JP 2003524948 W   37 H04L-009/32   Based on patent WO 200122873
NZ 517977   A   A61B-005/00   Based on patent WO 200122873

Abstract (Basic): WO 200122873 A1
        NOVELTY - A sensor outputs signal corresponding to the measured
    physiological characteristics. A memory arranged outside monitor,
    stores data relating to the sensor along with digital signature.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) Method of creating digital signature;
        (b) Sensor reader;
        (c) Blood flow characteristic evaluation system;
        (d) Sensor operating method for blood flow evaluation.
        USE - To measure various blood flow characteristics like blood
    oxygen saturation of hemoglobin in arterial blood, blood pulse rate,
    etc.
        ADVANTAGE - Ensures accurate computations and accurate patient
    monitoring, by storing sensing data along with patient identification.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
    signing mechanism in the measuring system.
        pp; 33 DwgNo 4/10

Title Terms: PULSE; SENSE; MEASURE; BLOOD; FLOW; CHARACTERISTIC; MEMORY;
  SENSE; SIGNAL; STORAGE; DIGITAL; SIGNATURE
Derwent Class: P31; S05; T01; W01
International Patent Class (Main): A61B-005/00; H04L-009/32
International Patent Class (Additional): A61B-005/145; G06F-001/00;
  G06F-012/14
File Segment: EPI; EngPI

   7/5/36   (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013783140
WPI Acc No: 2001-267351/200128
XRPX Acc No: N01-191287
 Method for providing privacy and trust in electronic communications uses
 public and private keys and cryptographic techniques to find shared
 preferences in a group without requiring disclosure of those preferences
Patent Assignee: XEROX CORP (XERO)
Inventor: FRANKLIN M K; HOGG T H; HUBERMAN B A
Number of Countries: 025 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
EP 1052582   A2 20001115 EP 2000110372   A   20000515 200128 B

Priority Applications (No Type Date): US 2000568794 A 20000509; US 99134179
  P 19990513
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 1052582   A2 E   21 G06F-017/60
   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI
Abstract (Basic): EP 1052582 A2
      NOVELTY - Cryptographic techniques involving private and public
   keys are used: to find a group with shared preferences without
   requiring individuals to disclose their preferences to others; to allow
   an individual to negotiate on behalf of a group by proving membership
   of the group without revealing one's identity; and to allow an
   individual to deniably sign a document making recommendations to
   another individual.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for
      (a) a method for an individual to deniably sign a recommendation
   for another individual
      (b) and a method of discovering a community with a shared interest
   or preference.
      USE - In electronic communications.
      ADVANTAGE - Allows greater trust and certainty by providing
   anonymity for individuals.
      pp; 21 DwgNo 0/5
Title Terms: METHOD; PRIVATE; ELECTRONIC; COMMUNICATE; PUBLIC; PRIVATE; KEY
  ; CRYPTOGRAPHIC; TECHNIQUE; FINDER; SHARE; GROUP; REQUIRE; DISCLOSE
Derwent Class: T01; W01
International Patent Class (Main): G06F-017/60
File Segment: EPI

   7/5/37   (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013251636   **Image available**
WPI Acc No: 2000-423519/200036
XRPX Acc No: N00-315976
 **Document text obfuscating method for information retrieval system,
 involves retaining index words by discarding the words from document
 corresponding to words in predefined words set**
Patent Assignee: MEDIADNA INC (MEDI-N); INCEPTOR INC (INCE-N)
Inventor: BENSON G; FRANKLIN M; KNAUFT C; KNAUFT C L
Number of Countries: 091 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200034845	A2	20000615	WO 99US29150	A	19991208	200036	B
AU 200019369	A	20000626	AU 200019369	A	19991208	200045	
EP 1141811	A2	20011010	EP 99963053	A	19991208	200167	
			WO 99US29150	A	19991208		
US 6654754	B1	20031125	US 98111501	P	19981208	200378	
			US 99456784	A	19991208		

Priority Applications (No Type Date): US 98111501 P 19981208; US 99456784 A
  19991208
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200034845	A2	E	42	G06F-000/00	

    Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
    CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
    KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
    SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

| AU 200019369 | A | | | G06F-000/00 | Based on patent WO 200034845 |
| EP 1141811 | A2 | E | | G06F-001/00 | Based on patent WO 200034845 |

    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI

| US 6654754 | B1 | | | G06F-017/30 | Provisional application US 98111501 |

Abstract (Basic): WO 200034845 A2
     NOVELTY - The index words are retained by discarding the words from
the document corresponding to words in predefined words set. The
document generated after words discarding is transmitted to the
information retrieval system. The discarded words are replaced by
different words from predefined words set. The order of non-discarded
words is reversed.
     DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
     (a) document obfuscating system;
     (b) dynamic electronic document generating method
     USE - For generating index information for data objects in
information retrieval systems.
     ADVANTAGE - Reduces cost of system used in generation of index data
for IR system. Avoids need for modification in IR system providers.
Facilitates usage of DRM-protected data objects in IR systems. Offers
seamless, transparent and immediate support for search of DRM-protected
data object. Reduces overhead associated with maintenance of index data
for IR system. Generates new index data for data object if content of
data objects is changed.
     DESCRIPTION OF DRAWING(S) - The figure shows data flow diagram
showing communication between client and server.
     pp; 42 DwgNo 2/17
Title Terms: DOCUMENT; TEXT; METHOD; INFORMATION; RETRIEVAL; SYSTEM; RETAIN

; INDEX; WORD; DISCARDED; WORD; DOCUMENT; CORRESPOND; WORD; PREDEFINED;
  WORD; SET
Derwent Class: T01
International Patent Class (Main): G06F-000/00; G06F-001/00; G06F-017/30
File Segment: EPI

7/5/38   (Item 20 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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013237997   **Image available**
WPI Acc No: 2000-409871/200035
XRPX Acc No: N00-306137
**Transaction executing method for secure auction service network involves
validating monetary bids by decryption using private keys and evaluating
consistency with public information**
Patent Assignee: AT & T CORP (AMTT)
Inventor: FRANKLIN M K; REITER M K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6055518	A	20000425	US 9610993	A	19960201	200035	B
			US 96745717	A	19961112		

Priority Applications (No Type Date): US 9610993 P 19960201; US 96745717 A
  19961112
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6055518	A		19	G06F-019/00	Provisional application US 9610993

Abstract (Basic): US 6055518 A
      NOVELTY - A winning bidding terminal is collectively determined
  from several terminals. The bids are encoded using public information
  and private keys for distribution to servers. The encrypted monetary
  bids are distributed in shares among the servers. The servers validate
  the bids by decrypting the bids using private keys and evaluates the
  consistency with the public information.
      DETAILED DESCRIPTION - Monetary bids submitted from the bidding
  terminals are distributed among servers during bidding period. Validity
  of the monetary value of each bid is verified at the servers using a
  distributed protocol.
      USE - For secure auction service network.
      ADVANTAGE - Enables coalition of auction servers to link the same
  coin, and thus the same bidder, to both actions, and does not prevent
  the framing attack. Provides secure and efficient integration of the
  range of old and new cryptographic techniques.
      DESCRIPTION OF DRAWING(S) - The figure shows simplified overview of
  secure option system.
      pp; 19 DwgNo 1/5
Title Terms: TRANSACTION; EXECUTE; METHOD; SECURE; AUCTION; SERVICE;
  NETWORK; VALID; MONEY; BID; DECRYPTER; PRIVATE; KEY; EVALUATE;
  CONSISTENCY; PUBLIC; INFORMATION
Derwent Class: T01; T05; W01
International Patent Class (Main): G06F-019/00
International Patent Class (Additional): H04L-009/00
File Segment: EPI

7/5/39   (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

012652386   **Image available**
WPI Acc No: 1999-458491/199938
XRPX Acc No: N99-342939
 Controlling computer data usage
Patent Assignee: MACROVISION CORP (MACR-N); MEDIADNA INC (MEDI-N)
Inventor: BENSON G; FRANKLIN M; KNAUFT C L
Number of Countries: 085 Number of Patents: 012
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9936854	A1	19990722	WO 99US968	A	19990115	199938	B
AU 9923228	A	19990802	AU 9923228	A	19990115	199954	
EP 1047992	A1	20001102	EP 99903135	A	19990115	200056	
			WO 99US968	A	19990115		
CN 1287639	A	20010314	CN 99802008	A	19990115	200141	
KR 2001024853	A	20010326	KR 2000707722	A	20000713	200161	
EP 1047992	B1	20020410	EP 99903135	A	19990115	200227	
			WO 99US968	A	19990115		
JP 2002509313	W	20020326	WO 99US968	A	19990115	200236	
			JP 2000540498	A	19990115		
DE 69901231	E	20020516	DE 601231	A	19990115	200240	
			EP 99903135	A	19990115		
			WO 99US968	A	19990115		
MX 2000006914	A1	20011001	MX 20006914	A	20000714	200274	
ES 2175936	T3	20021116	EP 99903135	A	19990115	200302	
US 6510516	B1	20030121	US 9871737	P	19980116	200309	
			US 99231140	A	19990115		
AU 765747	B	20030925	AU 9923228	A	19990115	200373	

Priority Applications (No Type Date): US 9871737 P 19980116; US 99231140 A
  19990115
Patent Details:

Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9936854   A1 E 27 G06F-011/00
   Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
   CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
   LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
   TJ TM TR TT UA UG UZ VN YU ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW
AU 9923228   A   G06F-011/00   Based on patent WO 9936854
EP 1047992   A1 E   G06F-011/00   Based on patent WO 9936854
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
   LU MC NL PT SE
CN 1287639   A   G06F-011/00
KR 2001024853 A   G06F-011/00
EP 1047992   B1 E   G06F-011/00   Based on patent WO 9936854
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
   LU MC NL PT SE
JP 2002509313 W   42 G06F-015/00   Based on patent WO 9936854
DE 69901231   E   G06F-011/00   Based on patent EP 1047992
                                     Based on patent WO 9936854
MX 2000006914 A1   G06F-011/00
ES 2175936   T3   G06F-011/00   Based on patent EP 1047992
US 6510516   B1   H04L-009/00   Provisional application US 9871737
AU 765747   B   G06F-011/00   Previous Publ. patent AU 9923228
                                     Based on patent WO 9936854

Abstract (Basic): WO 9936854 A1
     NOVELTY - Method consists in providing a data object including a
description of the peer data objects, determining whether they are
authorized to communicate with the peer data objects, and connecting
the data object to the peer data objects based on authorization being
granted, so that the objects can communicate with each other. The peer
data objects define a software application (Internet browser, on-line
virtual store) and the data object can be encrypted. Digital signatures
are verified in each peer data object to determine authorization of
peer data objects.
     USE - Method is for authenticating peer data objects in component
object systems such as browser systems.
     ADVANTAGE - Method authenticates identity of a data object to its
peers each time the data object is used and authenticates the identity
of the peers to the data object.
     DESCRIPTION OF DRAWING(S) - The drawing shows a high-level block
diagram with data object providers, data object and animating system
connecting the data object to peer data objects.
     pp; 27 DwgNo 1/10
Title Terms: CONTROL; COMPUTER; DATA
Derwent Class: T01
International Patent Class (Main): G06F-011/00; G06F-015/00; H04L-009/00
International Patent Class (Additional): G06F-001/00; G06T-015/70
File Segment: EPI

  7/5/40   (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003- Thomson Derwent. All rts. reserv.

011946226   **Image available**
WPI Acc No: 1998-363136/199831
XRPX Acc No: N98-283513
 **Simultaneous document exchange apparatus for network - has first and
 second sharing mechanisms for sharing first and second documents
 respectively, with third party verification without revelation, and with
 first and second principal verification of document sharing**
Patent Assignee: AT & T CORP (AMTT)
Inventor: FRANKLIN M K; REITER M K
Number of Countries: 021 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9827688	A2	19980625	WO 97US23220	A	19971211	199831	B
US 6263436	B1	20010717	US 96768380	A	19961217	200142	

Priority Applications (No Type Date): US 96768380 A 19961217
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9827688	A2	E	55	H04L-009/32	

     Designated States (National): CA JP MX
     Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC
     NL PT SE

| US 6263436 | B1 | | | H04L-009/00 | |

Abstract (Basic): WO 9827688 A
     The apparatus includes a mechanism for sharing a first document
between principal Y and third party Z, and a second mechanism for
sharing a second document between principal X and third party Z. A
third party verifier confirms from Z that the sharing of the two
documents is performed correctly.

This is done without revealing the documents to Z.
    If Z verifies the sharing, it sends its shares to Y and X. The
second principal verifier for Y verifies Z's share of the first
document, and the first principal verifier for X verifies Z's share of
the second document. The sharing mechanism uses a 2 out of 2 secret
sharing scheme.
    USE - For electronic commerce and transactions, and techniques for
enabling users to engage in fair or simultaneous electronic
transactions using semi-trusted third party.
    ADVANTAGE - Prevents, during fraudulent behaviour by user,
disclosure of any electronic information until exchange and
authentication of information is complete.
    Dwg.2A/4
Title Terms: SIMULTANEOUS; DOCUMENT; EXCHANGE; APPARATUS; NETWORK; FIRST;
  SECOND; SHARE; MECHANISM; SHARE; FIRST; SECOND; DOCUMENT; RESPECTIVE;
  THIRD; PARTY; VERIFICATION; FIRST; SECOND; PRINCIPAL; VERIFICATION;
  DOCUMENT; SHARE
Derwent Class: T01; T05; W01
International Patent Class (Main): H04L-009/00; H04L-009/32
File Segment: EPI

    7/5/41   (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011931998   **Image available**
WPI Acc No: 1998-348908/199830
XRPX Acc No: N98-272303
 **Metering apparatus for recording visit to Web sites - has metering
 program and cookie downloaded to client and tracking time of site visit
 that is reported to meter logging server**
Patent Assignee: AT & T CORP (AMTT)
Inventor: FRANKLIN M K; MALKHI D; FRAKLIN M K
Number of Countries: 021 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9826571	A2	19980618	WO 97US22444	A	19971210	199830	B
US 6115742	A	20000905	US 96762024	A	19961211	200044	

Priority Applications (No Type Date): US 96762024 A 19961211
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9826571	A2	E	39	H04M-015/00	

    Designated States (National): CA JP MX
    Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC
    NL PT SE

| US 6115742 | A | | | G06F-013/00 | |

Abstract (Basic): WO 9826571 A
    The apparatus includes a proxy module that intercepts information
between a client and a server. When a client attempts to visit a
monitored site, the visit reaches a monitor server. The server routes
the request through to the actual site.
    When the server receives the response, it attaches a cookie and a
metering program to the response. The metering program operates in the
client machine to record the extent of the visit. When access to the
site finishes the data is returned to a logging system.
    ADVANTAGE - Allows frequency and extent of visits to advertising
sites to be securely and accurately monitored for rating purposes.

Dwg.1/7
Title Terms: METER; APPARATUS; RECORD; VISIT; WEB; SITE; METER; PROGRAM;
  COOKIE; CLIENT; TRACK; TIME; SITE; VISIT; METER; LOG; SERVE
Derwent Class: T01; W01
International Patent Class (Main): G06F-013/00; H04M-015/00
File Segment: EPI

7/5/42   (Item 24 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011764491   **Image available**
WPI Acc No: 1998-181401/199817
XRPX Acc No: N98-143586
  **Implementing and searching content addressable memory for ATM switch -
  concurrently searching for control data by reading 1st and 2nd field from
  header and comparing in parallel 1st field and 1st tag, 2nd field and 2nd
  tag, and 2nd field with predetermined vector**
Patent Assignee: MOTOROLA INC (MOTI)
Inventor: FRANKLIN M; JONES K W; LOSCHKE J A; PARKS C M
Number of Countries: 021 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 833257	A2	19980401	EP 97114361	A	19970820	199817	B
JP 10126422	A	19980515	JP 97276556	A	19970924	199830	
CA 2213961	A	19980327	CA 2213961	A	19970825	199834	
US 5956336	A	19990921	US 96722587	A	19960927	199945	

Priority Applications (No Type Date): US 96722587 A 19960927
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 833257	A2	E	18	G06F-017/30	

    Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU
    MC NL PT SE

JP 10126422	A		14	H04L-012/28	
CA 2213961	A			G11C-015/00	
US 5956336	A			H04L-012/28	

Abstract (Basic): EP 833257 A
     The content addressable memory (CAM) contains two first memory
  arrays. The first matches (102) words and the second (103) comprises
  link words. A reference word is provided to the CAM. The first memory
  array is binarily searched to find a match word. The match word is
  equal to the reference word and outputs a link word from the second
  memory array corresponding to the match word.
     Control information is concurrently searched for by reading a first
  and second field from a header and comparing (105) in parallel the
  first field and the first tag, the second field and second tag, and the
  second field with a predetermined vector.
     USE - Digital electronic devices and to devices used to manage
  header information in switching network.
     Dwg.1/11
Title Terms: IMPLEMENT; SEARCH; CONTENT; ADDRESS; MEMORY; ATM; SWITCH;
  CONCURRENT; SEARCH; CONTROL; DATA; READ; FIELD; HEADER; COMPARE; PARALLEL
  ; FIELD; TAG; FIELD; TAG; FIELD; PREDETERMINED; VECTOR
Derwent Class: T01; W01
International Patent Class (Main): G06F-017/30; G11C-015/00; H04L-012/28
International Patent Class (Additional): G11C-015/04; H04L-012/56;
  H04L-029/02

7/5/43   (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011001309   **Image available**
WPI Acc No: 1996-498258/199650
XRPX Acc No: N96-420251
 **Secure encryption of plain text data block into cipher text data block –
 has compatibility switch for toggling between compatibility with less
 secure encryption standard and key-based secure encryption**
Patent Assignee: NOKIA MOBILE PHONES LTD (OYNO)
Inventor: ALANAERAE S; BERSON T
Number of Countries: 005 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2168717	A	19960823	CA 2168717	A	19960202	199650	B
US 5594797	A	19970114	US 95394537	A	19950222	199709	
CN 1136738	A	19961127	CN 96103543	A	19960216	199805	
BR 9600772	A	19971223	BR 96772	A	19960216	199806	
MX 9600625	A1	19970801	MX 96625	A	19960216	199829	N
MX 195216	B	20000204	MX 96625	A	19960216	200118	

Priority Applications (No Type Date): US 95394537 A 19950222; MX 96625 A
   19960216
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2168717	A		29	H03M-011/20	
US 5594797	A		15	H04L-009/00	
CN 1136738	A			H04K-001/02	
BR 9600772	A			H04K-001/00	
MX 9600625	A1			G09C-001/00	
MX 195216	B			H04L-009/000	

Abstract (Basic): CA 2168717 A
      The method involves converting the plain text data block into an
   intermediate data block according to a first encryption process which
   uses a first key signal. The state of compatibility switch is
   determined as being in a compatible or secure state. The first
   intermediate block is converted into a second intermediate block using
   a second key signal when the switch is in the secure state, and a
   compatibility value as its key when the switch is in the compatible
   state.
      The second encryption process is an involuntary transformation of
   its data input. The second intermediate data block is converted into
   the cipher text data block according to an encryption process which is
   an inverse transformation of the first encryption process using the
   first key signal.
      USE - For digital cellular telephone with switch for choosing
   compatibility security and higher security.
      Dwg.1/6
Title Terms: SECURE; ENCRYPTION; PLAIN; TEXT; DATA; BLOCK; CIPHER; TEXT;
  DATA; BLOCK; COMPATIBLE; SWITCH; COMPATIBLE; LESS; SECURE; ENCRYPTION;
  STANDARD; KEY; BASED; SECURE; ENCRYPTION
Derwent Class: U21; W01
International Patent Class (Main): G09C-001/00; H03M-011/20; H04K-001/00;
  H04K-001/02; H04L-009/00; H04L-009/000
File Segment: EPI

7/5/44   (Item 26 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010926342
WPI Acc No: 1996-423293/199642
Data processing system - NoAbstract
Patent Assignee: ROMNEY HOLDINGS LTD (ROMN-N)
Inventor: FRANKLIN M; MAHER J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
LU 88685	A	19960429	LU 88685	A	19951206	199642	B

Priority Applications (No Type Date): LU 88685 A 19951206
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
LU 88685	A		1	G06F-017/30	

Title Terms: DATA; PROCESS; SYSTEM; NOABSTRACT
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI

7/5/45   (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

007797171   **Image available**
WPI Acc No: 1989-062283/198909
XRPX Acc No: N89-047534
**Coin validity checking appts. - has coin-arrival-sensing mode leading to
production of power-up signal for coin-checking mode**
Patent Assignee: MARS INC (MRSC)
Inventor: DEAN R; HUTCHINSON D; REYNER P J
Number of Countries: 011 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 304535	A	19890301	EP 82101823	A	19820211	198909	B
EP 304535	B	19910911				199137	

Priority Applications (No Type Date): EP 88101823 A 19870825; GB 814175 A
  19810211
Cited Patents: A3...8921; DE 2825770; EP 8501; GB 2045500; No-SR.Pub; US
  3599771; US 3738469; US 3918565; EP 501
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 304535	A	E	35		

   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 304535	B				

   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Abstract (Basic): EP 304535 A
      Each coin rolls under gravity past two inductive sensors in
   self-excited HF oscillatory circuits (300,301) and a third sensor in a
   circuit oscillating at a lower frequency (pref. about 120 kHz). In the
   standby condition of the appts., only one HF circuit (300) is energised
   from an external source (304).

The power level in this mode is sufficient for sensing the arrival
of the coin and producing a signal detectable by a large-scale
integrated circuit (316). This responds by generating a power-up signal
for the other two oscillators (301,302) and processing the three
signals to ascertain whether the coin is acceptable.
  USE/ADVANTAGE - Pay telephones or other battery operated equipment
such as cigarette vending machines and parking meters. Identically
sized coins of different compsn. are distinguishable by appts. working
at only one frequency and with relatively low average power
consumption.
  3/14
Title Terms: COIN; VALID; CHECK; APPARATUS; COIN; ARRIVE; SENSE; MODE;
  LEADING; PRODUCE; POWER; UP; SIGNAL; COIN; CHECK; MODE
Derwent Class: T05; W01
International Patent Class (Additional): G06F-001/00; G07D-005/08;
  G07F-003/02
File Segment: EPI

  7/5/46   (Item 28 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004295676
WPI Acc No: 1985-122554/198520
XRPX Acc No: N85-092140
  Coin validator and denomination checker - has inductive circuits
  controlled by microprocessor providing data to check if coin is genuine
Patent Assignee: MARS INC (MRSC); SHOUKSMITH E (SHOU-I)
Inventor: DEAN R; ROBERTS M J; SHOUKSMITH E; ROBERTS M
Number of Countries: 013 Number of Patents: 010
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8502047	A	19850509	WO 84GB381	A	19841105	198520	B
EP 146251	A	19850626	EP 84307619	A	19841105	198526	
GB 2151062	A	19850710	GB 8427935	A	19841105	198528	
GB 2151062	B	19880629				198826	
EP 308996	A	19890329	EP 88117267	A	19841102	198913	
EP 308997	A	19890329	EP 88117268	A	19841105	198913	
EP 146251	B1	19920812	EP 84307619	A	19841105	199233	
DE 3485866	G	19920917	DE 3485866	A	19841105	199239	
			EP 84307619	A	19841105		
EP 308997	B1	19930922	EP 84307619	A	19841105	199338	
			EP 88117268	A	19841105		
DE 3486213	G	19931028	DE 3486213	A	19841105	199344	
			EP 88117268	A	19841105		

Priority Applications (No Type Date): GB 845721 A 19840305; GB 8329533 A
  19831104
Cited Patents: EP 58094; EP 62411; EP 86648; FR 2212589; GB 2045500; US
  3797628; US 3901368; US 3952851; US 4108296; US 4124111; US 4381552;
  A3...8920; EP 59511; FR 1465636; No-SR.Pub; US 3498437; US 3682286
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 8502047   A E 57
   Designated States (National): JP US
EP 146251   A E
   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
EP 308996   A E
   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

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EP 308997        A   E
   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
EP 146251        B1 E   20 G07F-003/02
   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
DE 3485866       G       G07F-003/02    Based on patent EP 146251
EP 308997        B1 E   15 G07F-003/02
   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
DE 3486213       G       G07F-003/02    Based on patent EP 308997
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Abstract (Basic): WO 8502047 A
    A coin arrival sensor (6), including a printed circuit inductance
(10) situated at the side of a coin passageway (7), produces a
frequency that varies in response to a coin (9) coming into proximity
to the inductance. A main microprocessor periodically checks the output
of the sensor and if arrival is confirmed a material/thickness sensor
is powered-up. The frequency and amplitude of the latter's output is
indicative of the denomination of a genuine coin only.
    The amplitude profile determines when to measure frequency and for
selection of successive measurements to be combined to give an average
amplitude value. A signal is produced to indicate that a coin is not
acceptable if it has travelled too fast through the sensing station. A
test mode allows the sensors to be adjusted to give optimum operation
when a particular coin is inserted.
    USE/ADVANTAGE - E.g. for pay telephones. Sensors have low power
consumption.
    1/6
Title Terms: COIN; VALID; DENOMINATION; CHECK; INDUCTIVE; CIRCUIT; CONTROL;
   MICROPROCESSOR; DATA; CHECK; COIN; GENUINE
Index Terms/Additional Words: PAY; TELEPHONE
Derwent Class: T01; T05; W01
International Patent Class (Main): G07F-003/02
International Patent Class (Additional): G06F-001/00; G07D-005/08
File Segment: EPI

   7/5/47   (Item 29 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

003353329
WPI Acc No: 1982-L1351E/198234
 **Coin validity checking appts. - has coin sensor arranged to initiate
 application of electrical power to apparatus when coin is sensed**
Patent Assignee: MARS INC (MRSC); DEAN R (DEAN-I)
Inventor: DEAN R; HUTCHINSON D; REYNER P J
Number of Countries: 016 Number of Patents: 016
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 58094	A	19820818				198234	B
WO 8202786	A	19820819				198234	
GB 2093620	A	19820801	GB 814175	A	19810211	198235	
JP 58500263	W	19830217				198313	
DK 8204491	A	19830509				198325	
GB 2094008	B	19850213	GB 8420613	A	19840814	198507	
GB 2143663	A	19850213	GB 8420150	A	19840808	198507	
GB 2143982	A	19850220	GB 8137250	A	19811210	198508	
CA 1190299	A	19850709				198532	
GB 2093620	B	19850904				198536	
GB 2143663	B	19850911				198537	
GB 2143982	B	19850911				198537	

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US 4601380     A    19860722  US 82425072     A   19820910  198632
DE 3280357     G    19911017                               199143
EP 58094       B1   19920513  EP 82300693     A   19820211  199220
DE 3280401     G    19920617  DE 3280401      A   19820211  199226
                             EP 82300693     A   19820211
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Priority Applications (No Type Date): GB 8137250 A 19811210; GB 814175 A
  19810211; GB 8420613 A 19840814; GB 8420150 A 19840808
Cited Patents: DE 2825770; US 3599771; US 3738469; WO 8000505; GB 1483192;
  GB 2045500; US 3918565
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 58094   A E
   Designated States (National): AU DK JP US
WO 8202786   A E
   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
EP 58094   B1 E   39 G07F-003/02
   Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
DE 3280401   G   G07F-003/02   Based on patent EP 58094

Abstract (Basic): EP 58094 A
       The appts. is for checking the validity of coins and includes a
   coin pathway and at least one sensor for interacting with a coin on the
   pathway to provide an information signal. One of the sensors provides
   an information signal in response to at least the great majority of
   coin types, a circuit determines whether the information signals are
   indicative of an acceptable coin, and a detector is operable by the
   occurrence of the information signal from the said one sensor to
   initiate the application of electrical power adequate for the coin
   checking operation. The detector is adapted to so operate irrespective
   of whether or not the information signal from the one sensor is
   indicative of an acceptable coin. This system can be used for pay
   telephones.
Title Terms: COIN; VALID; CHECK; APPARATUS; COIN; SENSE; ARRANGE; INITIATE;
  APPLY; ELECTRIC; POWER; APPARATUS; COIN; SENSE
Derwent Class: Q64; T05; W01
International Patent Class (Main): G07F-003/02
International Patent Class (Additional): G06F-001/00; G07D-005/08;
  G08B-021/00
File Segment: EPI; EngPI
?

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Set      Items    Description
S1         43     (ENCRYPTION OR CRYPTOGRAPHIC)()SERVICE?
S2    2200152     PRICE OR PRICING OR COST? OR CHARG? OR AMOUNT OR QUOTATION
S3       1117     (COMPUTATION? OR CALCULATION? OR FIGURING OR RECKONING)(2N-
                  )(BURDEN? OR CHARGE? OR COMMITMENT? OR DUTY OR OBLIGATION OR -
                  RESPONSIBILITY)
S4         89     (PRIVACY OR CONFIDENTIALITY)(2N)(LEVEL OR STATUS OR STANDI-
                  NG OR IMPORTANT? OR SCORE? OR RANK?)
S5    4451568     SPEED OR TIME OR TIMING OR PERIOD? OR INTERVAL OR CLOCK OR
                  SPACING OR FREQUENCY OR DURATION
S6          3     S1 AND S2
S7          0     S1 AND S3
S8          0     S1 AND S4
S9          6     S1 AND S5
S10         0     S6 AND S5
S11         9     S6 OR S9
S12         7     S11 AND IC=(G06F? OR H04L?)
S13         1     S1 AND (PRICE OR PRICING OR COST?)
File 347:JAPIO Oct 1976-2003/Aug(Updated 031202)
         (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200381
         (c) 2003  Thomson Derwent
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T S12/5/3-7

12/5/3   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014561226   **Image available**
WPI Acc No: 2002-381929/200241
XRPX Acc No: N02-298909
 **Multiple application loading and management method for smart card,
 involves unlocking card using routine obtained from application provider
 for loading applications**
Patent Assignee: FISHER D L (FISH-I)
Inventor: FISHER D L
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020040438	A1	20020404	US 2000202034	P	20000505	200241	B
			US 2001845125	A	20010430		

Priority Applications (No Type Date): US 2000202034 P 20000505; US
   2001845125 A 20010430
Patent Details:
Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020040438	A1		7	G06F-012/14	Provisional application US 2000202034

Abstract (Basic): US 20020040438 A1
       NOVELTY - A previously unreleased one **time** only key value is
   provided to a prequalified application provider by a card issuer. A
   routine that acts upon the cards is prepared by the application
   provider. Application files are loaded in the card, by unlocking the
   card using the routine to obtain key value, without using
 cryptographic services or a virtual machine such as Java.
       USE - For loading applications onto smart card used in financial
   applications such as cash replacement, credit/debit, gift certificate,
   vending, customer applications such as electronic coupon, value points,
   physical or logical security applications, health and transportation
   applications.
       ADVANTAGE - Enables efficient loading and managing of multiple
   applications on the smart card without affecting existing applications.

       DESCRIPTION OF DRAWING(S) - The figure shows the file structure of
   the card.
       pp; 7 DwgNo 2/3
Title Terms: MULTIPLE; APPLY; LOAD; MANAGEMENT; METHOD; SMART; CARD; UNLOCK
   ; CARD; ROUTINE; OBTAIN; APPLY; LOAD; APPLY
Derwent Class: T01; T04; T05; W01
International Patent Class (Main): **G06F-012/14**
International Patent Class (Additional): **G06F-009/04**
File Segment: EPI

12/5/4   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013972922   **Image available**
WPI Acc No: 2001-457135/200149
XRPX Acc No: N01-338823
 Cryptographic system for computer network, forwards the cryptographic

service **data from application terminals to specific operating systems through separate interface**
Patent Assignee: UNISYS CORP (BURS)
Inventor: CLAYTON K F; DEAN D A; KAIN M T; MILLIGAN A D; SALAMON G
Number of Countries: 023 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200135194	A2	20010517	WO 2000US30592	A	20001107	200149	B
AU 200114711	A	20010606	AU 200114711	A	20001107	200152	
EP 1230777	A2	20020814	EP 2000977017	A	20001107	200261	
			WO 2000US30592	A	20001107		
JP 2003514414	W	20030415	WO 2000US30592	A	20001107	200328	
			JP 2001536662	A	20001107		

Priority Applications (No Type Date): US 2000521371 A 20000308; US 99164673
 P 19991110
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200135194 A2 E 36 G06F-001/00
    Designated States (National): AU BR JP
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
    MC NL PT SE TR
AU 200114711 A   G06F-001/00   Based on patent WO 200135194
EP 1230777   A2 E   H04L-029/06   Based on patent WO 200135194
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
    LU MC NL PT SE TR
JP 2003514414 W   51 H04L-009/14   Based on patent WO 200135194

Abstract (Basic): WO 200135194 A2
       NOVELTY - The operating systems (210,220,230,240) are connected
    through communication interface (124), such that primary system
    transfers and receives information to and from other operating systems.
    Operating system (210) is operated in accordance with operating system
    (220), such that **cryptographic   service** data from application
    terminals (203,205) is forwarded to system (210) through separate
    interface (207).
       DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
    cryptographic   service providing method.
       USE - For providing **cryptographic   services** in computing network
    e.g. internet used for commercial transaction, on-line shopping and
    other communication services.
       ADVANTAGE - Since operating systems are monitored **periodically**
    during **cryptographic   service** , the request is redistributed to
    alternative operating system during failure generation, thereby ensures
    effective failure protection.
       DESCRIPTION OF DRAWING(S) - The figure shows the block diagram
    illustrating the cooperation of various operating systems along with
    cryptographic system.
       Interfaces (124,207)
       Application terminals (203,205)
       Operating systems (210,220,230,240)
       pp; 36 DwgNo 2/6
Title Terms: CRYPTOGRAPHIC; SYSTEM; COMPUTER; NETWORK; FORWARD;
  CRYPTOGRAPHIC; SERVICE; DATA; APPLY; TERMINAL; SPECIFIC; OPERATE; SYSTEM;
  THROUGH; SEPARATE; INTERFACE
Derwent Class: P85; T01; W01
International Patent Class (Main): **G06F-001/00** ; **H04L-009/14** ;
  H04L-029/06
International Patent Class (Additional): **G06F-015/00** ; G09C-001/00
File Segment: EPI; EngPI

12/5/5   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013870609   **Image available**
WPI Acc No: 2001-354821/200137
Related WPI Acc No: 2001-354820; 2001-367188; 2001-397516; 2001-535950
XRPX Acc No: N01-257844
**Authenticated transaction of implantation method for use in electronic
commerce, involves comparing enrollment and current authentication data
and transaction identifiers of user to generate an authentication result**
Patent Assignee: ETHENTICA INC (ETHE-N)
Inventor: BERGER B; BROOKS A A; CLAYTON R F; CLOUGH P W; DAVENPORT R S;
   DICKINSON A G; DOBSON R T; FERRANTE M; OHARE M S; ORSINI R L; ROHRBACH M
   D; STARK G H; ZOCCOLI J G
Number of Countries: 094 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200122322	A2	20010329	WO 2000US25814	A	20000920	200137	B
AU 200075962	A	20010424	AU 200075962	A	20000920	200141	
EP 1218841	A2	20020703	EP 2000965213	A	20000920	200251	
			WO 2000US25814	A	20000920		

Priority Applications (No Type Date): US 2000200396 P 20000427; US 99154734
   P 19990920
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200122322 A2 E   88 G06F-017/60
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
AU 200075962 A   G06F-017/60   Based on patent WO 200122322
EP 1218841   A2 E   G06F-017/60   Based on patent WO 200122322
    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 200122322 A2
        NOVELTY - The current authentication data and transaction
    identifier (TID) which is received from a user and forwarded to
    authentication engine, is compared with enrollment authentification
    data and TID of the user. The comparison is performed to generate an
    authentification result.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) Cryptographic transaction implementing method;
        (b) Cryptographic system;
        (c) Cryptographic function facilitating method;
        (d) Authentication process **speed** increasing method;
        (e) Authentication transaction conducting method;
        (f) Electronic transaction authenticating system;
        (g) Cryptographic function providing apparatus;
        (h) Security function performing method;
        (i) **Cryptographic   service** providing method;
        (j) Authentification function performing method;
        (k) Cryptographic application programming interface interconnecting

method;
      (1) Security function performing apparatus
      USE - For providing security to transaction in electronic commerce.

      ADVANTAGE - A level of trust is generated for the authentication
data associated with the authenticated transaction and a response is
provided for use in the transaction.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
cryptographic system.
      pp; 88 DwgNo 1/20
Title Terms: AUTHENTICITY; TRANSACTION; IMPLANT; METHOD; ELECTRONIC;
  COMPARE; CURRENT; AUTHENTICITY; DATA; TRANSACTION; IDENTIFY; USER;
  GENERATE; AUTHENTICITY; RESULT
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

  12/5/6   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

012457298   **Image available**
WPI Acc No: 1999-263406/199922
XRPX Acc No: N99-196197
 **Cryptographic coprocessor used in secure communication platform on an
 integrated circuit**
Patent Assignee: INFORMATION RESOURCE ENG INC (INFO-N); SAFENET INC
  (SAFE-N); OBER T (OBER-I); REED P (REED-I)
Inventor: DOUD R W; KAPLAN M M; KAVSAN B; OBER T; REED P
Number of Countries: 083 Number of Patents: 015
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9914881	A2	19990325	WO 98US19316	A	19980916	199922	B
AU 9910609	A	19990405	AU 9910609	A	19980916	199933	
EP 1013026	A2	20000628	EP 98953170	A	19980916	200035	
			WO 98US19316	A	19980916		
US 6278782	B1	20010821	US 9759082	P	19970916	200150	
			US 9759845	P	19970916		
			US 98154120	A	19980916		
US 6282657	B1	20010828	US 9759082	P	19970916	200151	
			US 9759843	P	19970916		
			US 98154357	A	19980916		
US 6307936	B1	20011023	US 9759082	P	19970916	200165	
			US 9759839	P	19970916		
			US 98154133	A	19980916		
US 20010036276	A1	20011101	US 9759082	P	19970916	200168	
			US 9759845	P	19970916		
			US 98154120	A	19980916		
			US 2001897251	A	20010702		
US 20010056540	A1	20011227	US 9759082	P	19970916	200206	
			US 9759840	P	19970916		
			US 98154300	A	19980916		
US 20020051538	A1	20020502	US 9759082	P	19970916	200234	
			US 9759843	P	19970916		
			US 98154357	A	19980916		
			US 2001897670	A	20010702		
US 6397331	B1	20020528	US 9759082	P	19970916	200243	
			US 9759841	P	19970916		
			US 98154323	A	19980916		

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US 20020080958  A1  20020627  US 9759082       P  19970916  200245
                               US 9759839       P  19970916
                               US 98154133      A  19980916
                               US 2001897666    A  20010702
US 6412069      B1  20020625  US 9759082       P  19970916  200246
                               US 9759847       P  19970916
                               US 98154129      A  19980916
US 6453415      B1  20020917  US 9759082       P  19970916  200264
                               US 9759840       P  19970916
                               US 98154228      A  19980916
US 6631472      B2  20031007  US 9759082       P  19970916  200374
                               US 9759843       P  19970916
                               US 98154357      A  19980916
                               US 2001897670    A  20010702
US 6654465      B2  20031125  US 9759082       P  19970916  200378
                               US 9759845       P  19970916
                               US 98154120      A  19980916
                               US 2001897251    A  20010702
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Priority Applications (No Type Date): US 9759847 P 19970916; US 9759082 P
   19970916; US 9759839 P 19970916; US 9759840 P 19970916; US 9759841 P
   19970916; US 9759842 P 19970916; US 9759843 P 19970916; US 9759844 P
   19970916; US 9759845 P 19970916; US 9759846 P 19970916; US 98154120 A
   19980916; US 98154357 A 19980916; US 98154133 A 19980916; US 2001897251 A
   20010702; US 98154300 A 19980916; US 2001897670 A 20010702; US 98154323 A
   19980916; US 2001897666 A 20010702; US 98154129 A 19980916; US 98154228 A
   19980916

Patent Details:

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Patent No  Kind Lan Pg   Main IPC      Filing Notes
WO 9914881      A2 E 401 H04L-000/00
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   Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
   CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR
   LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
   TR TT UA UG US UZ VN YU ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

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AU 9910609      A                      Based on patent WO 9914881
EP 1013026      A2 E     H04L-001/00   Based on patent WO 9914881
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   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
   LU MC NL PT SE
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US 6278782      B1       H04L-009/32   Provisional application US 9759082
                                       Provisional application US 9759845
US 6282657      B1       G06F-013/00   Provisional application US 9759082
                                       Provisional application US 9759843
US 6307936      B1       H04L-009/00   Provisional application US 9759082
                                       Provisional application US 9759839
US 20010036276 A1        H04L-009/00   Provisional application US 9759082

                                       Provisional application US 9759845
                                       Cont of application US 98154120
                                       Cont of patent US 6278782
US 20010056540 A1        G06F-012/14   Provisional application US 9759082

                                       Provisional application US 9759840
US 20020051538 A1        H04L-001/00   Provisional application US 9759082

                                       Provisional application US 9759843
                                       Cont of application US 98154357
US 6397331      B1       H04L-009/00   Provisional application US 9759082
                                       Provisional application US 9759841
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US 20020080958 A1   H04L-009/00   Provisional application US 9759082

                                        Provisional application US 9759839
                                        Cont of application US 98154133
US 6412069   B1   H04L-009/00   Provisional application US 9759082
                                        Provisional application US 9759847
US 6453415   B1   H04L-009/00   Provisional application US 9759082
                                        Provisional application US 9759840
US 6631472   B2   G06F-013/00   Provisional application US 9759082
                                        Provisional application US 9759843
                                        Cont of application US 98154357
                                        Cont of patent US 6282657
US 6654465   B2   H04L-009/32   Provisional application US 9759082
                                        Provisional application US 9759845
                                        Cont of application US 98154120
                                        Cont of patent US 6278782

Abstract (Basic): WO 9914881 A2
    NOVELTY - The coprocessor includes a processing unit for processing
data. A read only memory is electronically linked to the processing
unit and includes a masked programmed cryptographic library of
encryption algorithms. An encryption processor is provided for
encrypting data. The encryption processor and the processing unit are
situated on the same platform.
    DETAILED DESCRIPTION - The encryption circuit (36), random number
generator circuit (38), public key accelerator circuit (28), registers
(34), hash circuit (30), mode control circuit (24) and other circuits
used in the coprocessor may be implemented by discrete components or
may be equivalently formed as part of the DSP (20), which may be
programmed to provide the functions of these circuits.
    INDEPENDENT CLAIMS are included for:
    (a) a cryptographic service software embodied in at least one
of a hard disk, floppy disk and a ROM
    (b) a method of securely communicating between application program
and secure kernel of integrated circuit
    (c) a hardware secure memory area
    (d) a method of expanding a protected memory area of a secure
kernel into an unprotected memory area of an integrated circuit
    (e) a method of reconfiguring the functionality of an integrated
circuit
    (f) a method of generating a recovery key encryption key
    (g) a method of monitoring and controlling program fetch addresses
from a processor to control access to protected memory
    USE - The invention relates generally to a secure communication
platform on an integrated circuit, and more particularly relates to a
digital signal processor (DSP) with embedded encryption security
features on a single integrated circuit for high speed networking
products such as routers, switches and hubs.
    ADVANTAGE - The object of the present invention is to provide a
secure communications platform that can implement a user's application
and dedicate cryptographic resources to encryption and decryption
requests on demand. The invention also provides an increase in
encryption security through hardware implementations
    DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of the
cryptographic coprocessor.
    encryption circuit (36)
    random number generator circuit (38)
    public key accelerator circuit (28)
    registers (34)
    hash circuit (30)

```
              mode control circuit (24)
              DSP (20)
              pp; 401 DwgNo 1/50
Title Terms: CRYPTOGRAPHIC; SECURE; COMMUNICATE; PLATFORM; INTEGRATE;
  CIRCUIT
Derwent Class: T01; W01
International Patent Class (Main): G06F-012/14  ; G06F-013/00  ;
 H04L-000/00  ; H04L-001/00  ;□H04L-009/00□ ;□H04L-009/32□
File Segment: EPI
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   12/5/7   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

009394225   **Image available**
WPI Acc No: 1993-087692/199311
XRPX Acc No: N93-067116
 **Cryptographic facility for data processing system - uses object-oriented
 techniques to define hierarchical structure representing** cryptographic
  services
Patent Assignee: INT COMPUTERS LTD (INCM)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2259590	A	19930317	GB 9217274	A	19920814	199311	B

Priority Applications (No Type Date): GB 9119700 A 19910914
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2259590	A		19	G06F-009/44	

Abstract (Basic): GB 2259590 A
       The cryptographic facility for a data processing system, includes
    device which defines a hierarchical structure of object classes
    defining **cryptographic   services** , wherein each class can inherit
    functions and data from a base class in the hierarchy. A forming device
    creates an instance of an object class, defining an additional or new
 cryptographic   service , and automatically registers that instance
    with a list of services supported by the system.
       A removal device destroys an instance of an object class, defining
    a **cryptographic   service** , and automatically de-registers that
    instance with the list of services supported by the system. An access
    device accesses the functions of an instance of an object class,
    through a base class of the object class in the object class hierarchy.
       ADVANTAGE - Simplifies introduction of new object to system, and
    minimises **amount** of re-compilation in providing algorithm code and
    associated reference.
       Dwg.5,6/6
Title Terms: CRYPTOGRAPHIC; FACILITY; DATA; PROCESS; SYSTEM; OBJECT; ORIENT
  ; TECHNIQUE; DEFINE; HIERARCHY; STRUCTURE; REPRESENT; CRYPTOGRAPHIC;
  SERVICE
Index Terms/Additional Words: DATA; ENCRYPTION; KEY; GENERATION
Derwent Class: T01
International Patent Class (Main): **G06F-009/44**
File Segment: EPI
?

T S13/5

13/5/1   **(Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
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014786862   **Image available**
WPI Acc No: 2002-607568/200265
XRPX Acc No: N02-481149
 Cryptographic operation execution method in data processing system,
 involves selecting software and hardware process based on policy which
 process results in available resources to perform cryptographic operation
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC   )
Inventor: LEUNG L Y; NADALIN A J; RICH B A; SHRADER T J L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020078348	A1	20020620	US 2000738243	A	20001215	200265	B

Priority Applications (No Type Date): US 2000738243 A 20001215
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
US 20020078348	A1 13	H04L-009/00	

Abstract (Basic): US 20020078348 A1
        NOVELTY - Software and hardware processes are selected for
    performing a cryptographic operation based on a policy. The policy
    processes the results in available resources to perform the
    cryptographic operation and to form a selected process. The
    cryptographic operation is performed using the selected process.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
    following:
        (1) Data processing system; and
        (2) Computer program product comprising instructions for
    cryptographic operation execution.
        USE - In data processing system (claimed) such as notebook
    computer, handheld computer, personal digital assistant.
        ADVANTAGE - The ability to configure the usage of different forms
    of implementation greatly, increases the performance and reduces the
 cost of cryptographic   services . Less restricted operations are
    done by cheaper but faster software while sensitive operation are
    carried out by secure hardware. Implementation of both hardware and
    software provides flexible unit for user to determine the usage of each
    kind of service.
        DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of the
    cryptographic execution method.
        pp; 13 DwgNo 5/6
Title Terms: CRYPTOGRAPHIC; OPERATE; EXECUTE; METHOD; DATA; PROCESS; SYSTEM
 ; SELECT; SOFTWARE; HARDWARE; PROCESS; BASED; PROCESS; RESULT; AVAILABLE;
  RESOURCE; PERFORMANCE; CRYPTOGRAPHIC; OPERATE
Derwent Class: T01; W01
International Patent Class (Main): H04L-009/00
File Segment: EPI
?

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Set      Items    Description
S1         340    (ENCRYPTION OR CRYPTOGRAPHIC)()SERVICE?
S2      990535    PRICE OR PRICING OR COST? OR CHARG? OR AMOUNT OR QUOTATION
S3        1655    (COMPUTATION? OR CALCULATION? OR FIGURING OR RECKONING)(2N-
                  )(BURDEN? OR CHARGE? OR COMMITMENT? OR DUTY OR OBLIGATION OR -
                  RESPONSIBILITY)
S4         424    ,(PRIVACY OR CONFIDENTIALITY)(2N)(LEVEL OR STATUS OR STANDI-
                  NG OR IMPORTANT? OR SCORE? OR RANK?)
S5     1178816    SPEED OR TIME OR TIMING OR PERIOD? OR INTERVAL OR CLOCK OR
                  SPACING OR FREQUENCY OR DURATION
S6          42    S1 (S) S2
S7           0    S1 (S) S3
S8           6    S1 (S) S4
S9          64    S1 (S) S5
S10         24    S6 (S) S9
S11         29    S8 OR S10
S12         27    S11 AND IC=(G06F? OR H04L?)
S13          2    S11 NOT S12
File 348:EUROPEAN PATENTS 1978-2003/Dec W02
         (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20031218,UT=20031211
         (c) 2003 WIPO/Univentio
?
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T S12/5,K/3-4,8-27

12/5,K/3   **(Item 3 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
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01330100
 DATA AUTHENTICATION SYSTEM
 DATEN-IDENTIFIZIERUNGS-SYSTEM
 SYSTEME D'AUTHENTIFICATION DE DONNEES
PATENT ASSIGNEE:
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    Tokyo 141-0001, (JP), (Applicant designated States: all)
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PATENT (CC, No, Kind, Date):   EP 1195734 A1   020410 (Basic)
                               WO 200154099   010726
APPLICATION (CC, No, Date):   EP 2001901463 010119;   WO 2001JP346   010119
PRIORITY (CC, No, Date): JP 200013322 000121; JP 200015551 000125; JP
    200015858 000125; JP 200016029 000125; JP 200016213 000125; JP
    200016251 000125; JP 200016292 000125
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
RELATED DIVISIONAL NUMBER(S) - PN (AN):
    (EP 2002078475)
INTERNATIONAL PATENT CLASS: G09C-001/00; **H04L-009/32**

ABSTRACT EP 1195734 A1

    A data processing apparatus a data processing method efficiently
    ascertain that data are valid, prevent encryption processing key data
    from leaking, eliminate illegal use of contents data, restrict contents
    utilization, apply a different plurality of data formats to contents and
    efficiently execute reproduction processing of compressed data. The
    verification process of partial data is executed by collating the
    integrity partial data as check values for a combination of partial data
    of a content, and the verification process of the entirety of the
    combination of partial data is executed by collating
    partial-integrity-check-value-verifying integrity check values that
    verify the combination of the partial integrity check values. Master keys
    to generate individual keys necessary for a process of such as data
    encryption are stored in the storage section and keys are generated as
    required. An illegal device list is stored in the header information of a
    content and referred to when data is used. Keys specific to a data
    processing apparatus and common keys are stored and the keys are
    selectively used according to the content use restriction. Plural content
    blocks are coupled, and at least a part of the content blocks is applied
    to an encryption process by an encryption key Kcon, then encryption key
    data that is the encryption key Kcon encrypted by an encryption key Kdis
    is stored in the header section. A content data is made of compression

data and an expansion processing program or a combination of types of compression programs and the reproducing apparatus can determine an expansion program applicable to a compressed content.
ABSTRACT WORD COUNT: 258
NOTE:
  Figure number on first page: 28

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 010919 A1 International application. (Art. 158(1))
 Application: 010919 A1 International application entering European
                             phase
 Application: 020410 A1 Published application with search report
 Examination: 020410 A1 Date of request for examination: 20011026
 Change: 021016 A1 Application number of divisional application
                             (Article 76) changed: 20020829
LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS A   (English)   200215   13797
     SPEC A   (English)   200215   73409
Total word count - document A   87206
Total word count - document B   0
Total word count - documents A + B   87206

...INTERNATIONAL PATENT CLASS: **H04L-009/32**

...SPECIFICATION from which data is transferred, the key generating step is an authentication key generating step of executing **encryption** processing based on an authentication key generation master key MKake for generating an authentication key Kake of...the expansion processing program from header information included in the received content data and, at the same **time** , if the content data has the compressed contents, obtaining a type of a compressing processing program applied...the expansion processing program from header information included in the received content data and, at the same **time** , if the content data has the compressed contents, obtaining a type of a compressing processing program applied...different types of data formats such as formats corresponding to game programs and formats suitable for real- **time** processing of music data or the like can be used for the present system. The aspects of the **time** of starting the use.
    The integrity check value A ICVa is used to verify that the content... intensity compared to the Single DES. The Tripled DES configuration, however, has the disadvantage of requiring an **amount** of processing **time** three times as large as that for the Single DES.
    Fig. 10 shows an example of a...a desired program. This configuration eliminates the need for the user to retrieve programs to save the **amount** of **time** and labor required for the activation. Additionally, the programs that can be activated are activated after all...

    12/5,K/4   (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01276898
  CONTENTS MANAGEMENT SYSTEM, DEVICE, METHOD, AND PROGRAM STORAGE MEDIUM
  INHALTSVERWALTUNGSSYSTEM, VORRICHTUNG, VERFAHREN UND PROGRAMMSPEICHERMEDIUM
  SYSTEME, DISPOSITIF, PROCEDE ET SUPPORT DE PROGRAMME POUR LA GESTION DE
     CONTENUS
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PATENT (CC, No, Kind, Date): EP 1128598 A1 010829 (Basic)
                              WO 200119017 010315
APPLICATION (CC, No, Date):   EP 2000956997 000907; WO 2000JP6089 000907
PRIORITY (CC, No, Date): JP 99253660 990907; JP 99253661 990907; JP
    99253662 990907; JP 99253663 990907; JP 99260638 990914; JP 99264082
    990917; JP 99265866 990920
DESIGNATED STATES: DE; FR; GB
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INTERNATIONAL PATENT CLASS: **H04L-009/32** ; **G06F-015/00** ; H04N-005/91;
  G11B-020/10; G10K-015/04; H04N-007/167
CITED REFERENCES (WO A):
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    chosakuken kanti ga kagi nigiru' NIKKEI ELECTRONICS no. 738, 08 March
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    vol. 34, no. 393, 01 June 1999, pages 96 - 97
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    INFORMATIONAL VERSION 12 April 1999,

HIRONOBU YAMAMOTO ET AL.: 'Chosakuken wo hogo shita ongaku haishin
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ABSTRACT EP 1128598 A1

An information receiving apparatus receives identification information
and encrypted identification information and makes a comparison between
them to allow prevention of illegal utilization of contents data. Also, a
data storage apparatus can record contents data encrypted by a content
key and the content key so that the contents data can be reproduced on
other apparatuses to improve versatility. Moreover, a management
apparatus can manage the contents data in the data storage apparatus to
allow other apparatuses to utilize it. And also, an information
regulating apparatus can verify a signature on available data to prevent
illegal utilization of the contents data. Furthermore, the data storage
apparatus can store the content key, its handling policies, the contents
data encrypted by the content key and its license conditions information
so as to safely provide the contents data. In addition, an information
recording apparatus can select favorite contents data and store it on the
data storage apparatus. Furthermore, the information receiving apparatus
can prevent utilization of provision-prohibited contents data by a
provision prohibition list.
ABSTRACT WORD COUNT: 172
NOTE:
Figure number on first page: 0020

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Application: 010509 A1 International application. (Art. 158(1))
Application: 010509 A1 International application entering European
                             phase
Application: 010829 A1 Published application with search report
Examination: 010829 A1 Date of request for examination: 20010502
LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200135	29406
SPEC A	(English)	200135	83907
Total word count - document A			113313
Total word count - document B			0
Total word count - documents A + B			113313

INTERNATIONAL PATENT CLASS: **H04L-009/32** ...

... **G06F-015/00**

...SPECIFICATION electronic distribution service center 1.
Figure 2 is a block diagram showing functions of the electronic
distribution **service** center 1. A service provider management section 11
supplies the public key certificate of the service provider...electronic
distribution service center 1, and outputs the results to the signature
generation section 38. Incidentally, the **encryption** method is not
limited to DES, and a public key encryption method such as RSA (Rivest,
Shamir...

...shown as a common key encryption in this embodiment, either FEAL (Fast
Encryption Algorithm), IDEA (International Data **Encryption** Algorithm),
or E2 proposed by NTT (trademark) or AES (Advanced Encryption Standard)
that is the next encryption...may be different keys.
In addition, as another example of the public key encryption method,
the RSA **encryption** (Rivest, Shamir, Adleman) is known.
Figure 14 is a block diagram showing a configuration of the service...

electronic distribution service center 1 further compares the handling policy received from the content provider 2, the **price** information and the handling policy, if necessary, received from the service provider 3, and the handling policy and the **price** information received from the user home network 5, and monitors whether or not illegality such as tampering...Figure 29 illustrates the service provider secure container. The service provider secure container 3A is comprised of **price** information and signatures. The signature is data generated by applying the secret key Kssp)) of the service provider 3 to a hash value generated by applying a hash function to **price** information, if necessary.

Figure 30 illustrates another example of the service provider secure container. The service provider secure container 3B includes the content provider secure container, **price** information and signatures. The signature is data generated by applying the secret key Kssp)) of the service...

...a hash value generated by applying a hash function to the content provider secure container and the **price** information.

Figure 31 illustrates the public key certificate of the service provider 3. The public key certificate...handling policy for the single content (Figure 37), a type of the data, a type of the **price** information, an effective **period** of the **price** information, an ID of the contents, an ID of the service provider, an ID of the **price** information, a version of the **price** information, a regional code, usable apparatus conditions, usable user conditions, an ID of the content provider, an ID of the handling policy to which the **price** information is added, the number of rules including the purchasable utilization right indicated by the **price** information, address information indicating the storage position of the rules, the rules stored in the position indicated ...

...handling policy for the single content (Figure 38), a type of the data, a type of the **price** information, an effective **period** of the□price□ information, an ID of the album, an ID of the service provider, an ID of the **price** information, a version of the **price** information, a regional code, usable apparatus conditions, usable user conditions, an ID of the content provider, an ID of the handling policy to which the **price** information is added, the number of pieces of **price** information of single contents forming the album, address information indicating a storage position of the **price** information of the single contents, a data packet of the **price** information of the ...indicated by the address information, the number of rules including the purchasable utilization right indicated by the **price** information, address information indicating the storage position of the rules, the rules stored in the position indicated...

...ratio of the service provider, a price, a data size, and transmission information.

In the above-mentioned **price** information, a type of data indicates that the data is the data of **price** information, and a type of the **price** information indicates which of single or album contents the **price** information is. The effective **period** of the **price** information indicates a usage **period** of the **price** information by a date on which the **period** expires, or by the number of days from a date to be a basis when the use has started to a data when the **period** expires. An ID of the contents and an ID of the album indicates the purchasable single contents or album contents indicated by the **price** information, an ID of the service provider indicates the ID of the service provider 3 that has prepared the **price** information.

In addition, an ID of the **price** information is for identifying the

price information, and is used, for example, for identifying the **price** information in the case in which a plurality of pieces of **price** information are set for identical contents. A version of the **price** information indicates revision information of **price** information that is revised according to a use **period** . Therefore, the **price** information is managed by the ID of the **price** information and the version of the **price** information.

A regional code indicates a region where price information is usable by coding the region, and...

...point, and various kinds of information set by the service provider 3, if necessary.

Here, when generating **price** information, the service provider 3 can set all the purchasable utilization right indicated by a corresponding a handling policy as a purchasable right indicated by the **price** information, and at the same **time** , can set a utilization right arbitrary selected out of all the purchasable utilization right indicated by the...data of license conditions information, a type of data, a type of license conditions information, an effective **period** of the license conditions information, an ID of contents, an ID of an album, an ID of...

...a handling policy, version of the handling policy, an ID of a service provider, an ID of **price** information, a version of **price** information, an ID of license conditions information, a rule number attached to a reproduction right (utilization right) as a serial number, a utilization right content number, a remaining number of **time** of reproduction, an effective **period** of the reproduction right, a rule number attached to a copying right (utilization right) as a serial...

...utilization right, and uses a rule number of a rule indicated by a corresponding handling policy or **price** information as it is. Utilization right contents indicate contents of a reproduction right to be described later...

...of reproduction among a number of times of reproduction set in advance to contents, and an effective **period** of a reproduction right indicates a corresponding reproduction available **period** of purchased contents by a date and **time** when the **period** expires.

In addition, a rule number of a copying right indicates a serial number attached to a...a content provider and the transmission information set by the content provider, and a data size indicating **price** information used for purchase processing and transmission information are stored as they are in a data size...

...indicates an apparatus of a supplier that has applied purchase processing, and the ID is accumulated every **time** re-purchase of contents is conducted.

Incidentally, in charge information, since a profit amount and a profit....and the registration data encrypted by the temporary key Ktemp)) updates stored registration information, at the same **time** , inspects the registration information, and if registration is made, encrypts the delivery key Kd)) with the temporary...

...updates a delivery key Kd)) stored in the storage module in the encryption processing section, and deletes **charge** information in the storage module. Subsequently, the settlement available apparatus retrieves an object apparatus that it should...additionally registered in the electronic distribution service center 1 by the processing procedures indicated in Figure 60.

Timing for a registered apparatus to conduct update of a registration (update of registered information) will now be...

...on various conditions, and in step S600, the home server 51 determines whether or not a predetermined **period** that is decided in advance has passed since obtaining a delivery key Kd)), registration information or **charge** information by a **clock** (not shown) and a determination section (not shown). If a positive result is obtained here, this means that the predetermined **period** has passed since obtaining a delivery key Kd)), registration information or **charge** information, then, the processing proceeds to step S607, where the home server 51 executes update processing of...

...the other hand, if a negative result is obtained in step S600, this means that a predetermined **period** has not passed since obtaining a delivery key or **charge** information, that is updating conditions of registration information with respect to passage of a **period** has not been met, and then, the processing proceeds to step S601.

In step S601, the home...a registration item corresponding to an apparatus ID in the user registration database, and at the same **time**, updates data. For example, the data is such data as a registration date or a **charge** status (not shown) . Since step S106 is the same as step S84 of Figure 59, its description...

...electronic signature included in the registration information by the signature verification unit 115, and at the same **time**, causes the unit to confirm if an apparatus ID of the home server 51 is registered, and when the verification is successful and it is confirmed that the **charge** processing is completed, the processing proceeds to step S110. In step S110, the home server 51 input...

...encryption/decryption module 96, stores (updates) the delivery key Kd)) in the storage module 92, and deletes **charge** information held in the storage module 92 (this makes settlement completed).

In step S103, if it is...

...error processing is performed.

In this way, the home server 51 updates registration information, at the same **time**, transmits **charge** information to the electronic distribution service center 1, and receives supply of a delivery key Kd)) in...home server 51.

The home server 51 having received the data stores the handling policy and the **price** information, if received, in the mass storage section 68, and at the same **time**, inputs the **charge** information encrypted by the temporary key Ktemp)) and its signature in the encryption processing section 65. The encryption processing section 65 having received the **charge** information encrypted by the temporary key Ktemp)) and its signature verifies the signature for the **charge** information encrypted by the temporary key Ktemp)) by the signature verification unit 115 of the encryption/decryptionmodule...

...its details are omitted. Then, the decryption unit 111 of the encryption/decryption module 96 decrypts the **charge** information encrypted by the temporary key Ktemp)).

In step S124, the home server 51 mutually authenticates with...

...the user management section 18 of the electronic distribution service center 1 updates the user registration database (**charge** data receipt data and **time**, issued data and **time** of registration information, date and **time** of a delivery key, etc.). In step S130, the user management section 18 of the electronic distribution...delivery key Kd)) in the storage module of the encryption processing section 73, and at the same

time , deletes the **charge** information (further, in some case, the **charge** information is not deleted, but is attached a mark indicating it is settled).

In step S121, if...the processing of step S165 and step S166.

As described above, the home server 51 stores the **charge** information in the storage module 92, and at the same **time** , after decrypting the content key Kco)) by the individual key Kl)), encrypts the content key Kco)) by the **charge** information in the storage module of the encryption processing section 73 by the similar processing, and at the same **time** , decrypts the content key Kco)) by the individual key Kl)), encrypts the content key Kco)) by the...contents.

Figures 76 and 77 illustrate concrete examples of a rule portion of a handling policy and **price** information. In Figure 76, the handling policy is composed of a rule number attached to each utilization...

...as a serial number, a utilization contents number indicating utilization right contents, its parameter, a minimum sales **price** , and a profit ratio of a content provider, in which, for example, five rules are written. Since...

...item, it is seen from Figure 44 that the right is a right without a reproduction right, **time** and number of times limitations. In addition, it is seen that there is no specific description in the item of a parameter. The minimum sales **price** is (Yen)350, and a share of the content provider 2 is 30% of the **price** . Since a rule 2 has a utilization right contents number 2 as the right item, it is seen from Figure 44 that the right is a right with a reproduction right and **time** limitation and without number of times limitation. In addition, it is seen from the item of a parameter that a utilization possible **period** is one hour. The minimum sales **price** is (Yen)100, and the share of the content provider 2 is 30% of the **price** . Since a rule 3 has a utilization right contents number 6 as the right item, it is...

...44 that the right is a right without a reproduction right (without a copy control signal), without **time** limitation and with number of times limitation. In addition, it is seen from the item of a parameter that the utilization possible number of times is one. The minimum sales **price** is (Yen)30, and the share of the content provider 2 is 30% of the **price** . Since a rule 4 has a utilization right contents number 13 as the right item, it is...

...the item of a parameter that a changeable rule number from #2 (with a reproduction right, with **time** limitation and without number of times limitation) to #1 (without a reproduction right, **time** and number of times limitation) . The minimum **price** is (Yen)200, and the share of the content provider 2 is 20% of the **price** . The minimum sales **price** is presented lower than that of the rule 1 because it is considered that an already purchased...

...service center 1 that performs actual work (since the content provider 2 has no work at the **time** of right contents change). Since a rule 5 has a utilization right contents number 14 as the...

...that redistribution possible conditions is that an apparatus having the rule number #1 (without a reproduction right, **time** and number of times limitation) purchases and redistribute the rules number #1 (without a reproduction right, **time** and number of times limitation) . The minimum sales **price** is (Yen)250, and the share of the content provider 2 is 20% of the **price** . The minimum sales **price** is lower than that of the rule 1 because it is considered that an apparatus having an...

...center 1 that performs actual work (since the content provider 2 does not have work at the **time** of redistribution).
In Figure 77, the price information is composes of a rule number attached to each...

...as a serial number, a utilization contents number indicating utilization right contents, it parameter, a minimum sales **price** , and a profit ratio of a content provider, the **price** information is composes of a rule number attached to each utilization right as a serial number, a parameter and **price** information, and the license conditions information is composed of a rule number attached to each utilization right...

...server 51 has already purchased a right with a reproduction right with the rule number #2 and **time** limitation, and the rule number #2 is described in the license conditions information indicating right contents, which indicates that remaining utilization possible **time** is thirty minutes, and accumulated two hours of purchase has been performed so far. If it is tried to change the right from with **time** limitation to without **time** limitation now, it is seen from a rule 3 of the handling policy, a rule 3 of the **price** information and the license conditions information that the right can be changed to without a reproduction right, **time** and number of times limitation with (Yen)200, and the license conditions information changes to without a reproduction right, **time** and number of times limitation of the rule number #1 and the utilization right contents number (a...

...described later. In addition, in this example, changing the right contents once after buying a right with **time** limitation is cheaper than directly buying a right without a reproduction right, **time** and number of times limitation. Thus, it is better to put a discount considering accumulated utilization **time** .
Figure 79 is a flow chart illustrating details of processing in which the home server 51 purchases...

...home server 51 displays information whose contents can be redistributed (e.g., a utilization form or a **price** whose contents can be redistributed) using the display means 64, and a user selects redistribution contents conditions using the inputting means 63. Further, this selection processing may be performed at the **time** of starting the redistribution processing in advance. The signal inputted from the inputting means 63 is transmitted...

...processing section 65 of the home server 51. The encryption processing section 65 having received this generates **charge** information and new license conditions information from the handling policy and the **price** information received in step S264, and the license conditions information read out in step S265.
Since step...fixed apparatus 52 displays information whose contents can be redistributed (e.g., a utilization form or a **price** whose contents can be redistributed) using the display means 78, and a user selects redistribution contents conditions using the inputting means 77. Further, this selection processing may be performed at the **time** of starting the redistribution processing in advance. The signal inputted from the inputting means 77 is transmitted...

...processing section 73 of the fixed apparatus 52. The encryption processing section 73 having received this generates **charge** information and new license conditions information from the handling policy, the **price** information and the license conditions information received in

step S286.
    In step S290, the encryption processing section...a purchase
reservation of contents by performing key conversion of the contents in
advance before an effective **period** of a delivery key is expired will be
described. In step S451 of reservation purchase processing procedures...

...its detailed description is omitted. However, in the reservation
purchase processing, decision of a registration information update
timing based on a number of purchase and a purchase **price** described in
steps S601 and S602 of Figure 61 may not be performed.
    In step S452, the...processing.
    As described above, the home server 51 completes the purchase
processing of contents by storing the **charge** information of the
contents that a user selected to purchase in the storage module 92 and,
at the same **time** , storing the license conditions information in the
external memory 67. In the purchase processing, the signature
verification...in Figure 41, its details are omitted.
    In step S562, the encryption processing section 73 saves the **charge**
information generated in step S561 in the storage module in the
encryption processing section 73. In step...

...key encrypted in step S557, the encryption processing section 73
verifies a signature, and at the same **time** , decrypts the signature by
the temporary key Ktemp)), and re-encrypts it by the save key Ksave2...in
performing purchase processing in the above-mentioned embodiment, the
processing is sometimes omitted because it takes **time** . In addition,
whether or not verification is sometimes necessary is described in a
handling policy or **price** information, and operations are performed in
accordance with it.

    (6) Data format of various kinds of data...

...ID of the encryption processing section in the license conditions
information prepared again, and at the same **time** , stores a number of
times found by deducting one from the remaining number of times content
can...

...of the encryption processing section in the first apparatus as an ID of
a supplier in the **charge** information prepared along the purchase
processing.
    Then, thereafter, if the contents to which the purchase processing is
...the electronic distribution service center 1.
    Thus, in the electronic distribution only recording medium 251, for
example, **charge** information in the storage module 311 is **periodically**
retrieved from the control section 310 in the encryption processing
section 301, and if there is uncollected **charge** information in the
electronic distribution service center 1, contents can only be reproduced
only one from purchase processing until the **charge** information is
collected by applying reproduction limitation to corresponding contents,
and at the same **time** , managed transfer of the contents is not performed
as well.
    In this way, in the electronic music...times of reproduction
limitation, the contents cannot be reproduced.
    In addition, as such a reproduction limitation, a **period** (**time**)
may be used. That is, by setting **time** during which contents can be
reproduced, if **charge** information is uncollected after the set **time**
has passed since purchase processing, the contents cannot be reproduced.
Further, in the electronic distribution only recording medium 251,
limitation contents of the reproduction limitation may be held by
associating it with **charge** information in the storage module 311 of the

encryption processing section 301, or may be held by...

...in the external membry 303. In addition, by storing reproduction limitation (the number of times or a **period**) in a handling policy and/or **price** information, at the **time** of purchase processing, the electronic distribution only recording medium 251 may take out information of the reproduction limitation from the handling policy and/or the **price** information, prepare license conditions information including this, and hold the prepared license conditions information in the external...memory 303 in a step prior to the step S712.

In such purchase processing, if an effective **period** of the delivery key Kd)) is expired in step S700, if the total of **charges** of the **charge** information has reached the upper limit in step S701, if it is decided in step S702 that...3 is not correct, and if it is decided in step S706 that the signature of the **price** information is not correct, the processing proceeds to step S713 in each case, where error processing is...via the speaker. Thus, the record reproduction apparatus 250 can reproduce contents in this way.

Here, if **charge** information corresponding to the ID of the contents is stored in the storage module 311 in step...

...section 301 in the electronic distribution only recording medium 251 refers to the reproduction limitation at the **time** when **charge** information is uncollected in step S737, and determines whether or not the contents whose **charge** information is uncollected satisfy reproduction available conditions.

Then, if the contents do not satisfy the reproduction available...

...been reproduced for the number of times defined in the reproduction limitation, or if a reproduction available **period** has lapsed), the control section 310 of the encryption processing section 301 terminates this reproduction processing. On...

...251 or the external memory 303, or may be stored in data of a handling policy or **price** information, or the like.

Incidentally, the electronic distribution only recording medium 251 may be provided in the...distribution system 10, due to the increased generality of the electronic distribution only recording medium 251, until **charge** information for contents recorded in the electronic distribution only recording medium 251, by limiting utilization of the contents (limiting a number of times and a **period** of reproduction and copying), illegal utilization of the contents can be prevented while the **charge** information is uncollected.

According to the above-mentioned configuration, a save key Ksave)) peculiar to the electronic...the control section 91 of the encryption processing section 65 in the home server 51 saves the **charge** information (the **charge** information whose signature was verified in step S742) in the storage module 92, and at the same **time** , changes the ID of the encryption section (the ID of the encryption section of the apparatus that...

```
12/5,K/8      (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00814145
 A METHOD FOR EXECUTING A NETWORK-BASED CREDIT APPLICATION PROCESS
 PROCEDE DE MISE EN OEUVRE D'UN PROCESSUS DE DEMANDE DE CREDIT EN RESEAU
Patent Applicant/Assignee:
```

other network service providers (i.e., owners of NSFs)
and/or other service bureaus...

   12/5,K/11   (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00784185   **Image available**
   **A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION
   SERVICES PATTERNS ENVIRONMENT**
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISSANT UN SYSTEME DE
   COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE
   SERVICES DE COMMUNICATION
Patent Applicant/Assignee:
   ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
      (Residence), US (Nationality)
Inventor(s):
   BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
      , US,
Legal Representative:
   HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037,
      Palo Alto, CA 94303-0746, US,
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200117195 A2-A3 20010308 (WO 0117195)
   Application: WO 2000US24125 20000831 (PCT/WO US0024125)
   Priority Application: US 99386717 19990831
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
   DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
   LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
   SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
   (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **H04L-029/06**
International Patent Class: **G06F-017/22** ; **H04L-029/12**
Publication Language: English
Filing Language: English
Fulltext Availability:
   Detailed Description
   Claims
Fulltext Word Count: 150532

English Abstract
   A system, method, and article of manufacture are disclosed for providing
   a stream-based communication system. A shared format is defined on
   interface code for a sending system and a receiving system. A message to
   be sent from the sending system to the receiving system is translated
   based on the shared format. Once translated, the message is then sent
   from the sending system and received by the receiving system. Once the
   message is received by the receiving system, the message is then
   translated based on the shared format.

French Abstract
   L'invention concerne un systeme, un procede et un article de production
   fournissant un systeme de communication en continu. Un format partage est
   defini selon un code d'interface pour un systeme emetteur et un systeme
   recepteur. Un message devant etre envoye par le systeme emetteur est
   traduit sur la base du format partage. Une fois traduit, le message est

envoye du systeme emetteur et recu par le systeme recepteur. Le message recu par le systeme recepteur est ensuite traduit sur la base du format partage.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010907 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20011115 Late publication of international search report
Republication 20011115 A3 With international search report.

Main International Patent Class: **H04L-029/06**
International Patent Class: **G06F-017/22** ...

... **H04L-029/12**
Fulltext Availability:
  Detailed Description

Detailed Description
... Typically, the algorithm is widely known, while the key is kept secret. There are several types of **encryption** in use today, including.

Secret key cryptography – uses one key (the secret key) both to encrypt the...of reports are supported by the reporting application framework.

Scheduled: Scheduled reports are generated based upon a **time** and/or date requirement.

These reports typically contain statistical information and are generated **periodically** (invoices and bills, for example).

On-demand: Some reports will be requested by users with specific parameters...
...requirements are not known before the request is made, so these factors must be handled at request **time** .

Event-driven: This report type includes reports whose generation is triggered based on a business or system...

...determines general information about the request, such as report type, requester, quantity to be printed, and requested **time** . Based on the report type, a table of reports is examined in
224
order to gather additional...

...requests and ensures that they are forwarded to the report writer process at the current or specified **time** . All report requests are processed in an asynchronous manner (for example, service requesters do not wait for...

...containing information about each report that has been requested for generation, including.

Requester IUD
Report name
Date/ **time** requested
Status (requested, in process, complete, or error)
Report-specific parameters.

10 The requester ID, report name, and date/ **time** are used to uniquely
identify the report. These values are passed to APIs which request report
status...

...report records are removed from the table only after the output reports
have been archived. Implementation and **frequency** of this table cleanup
is to be determined in systems management design.

Report Process Flows
Report processing...

...the report writer process for immediate generation or to the event
manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report,
prints it if specified in the...

...report generation and printing (optional).
Input data blocks specify the following.

Report name
Report parameters
Report generation **time** (default is immediately)
Printer name.

230
The report name must be one of the defined application report...

...depending on the report type. Reports may be requested for generation
immediately or at a designated future **time** . All reports are written to
a reserved area on disk; however, specification of a printer causes the
...

...of reports requested by users on demand. Typically, these reports will
not have a set schedule or **frequency** for distribution. The report
architecture must support distribution of these reports without the
requirement of manual or...

...architecture must support distribution of regularly scheduled reports.
Typically, these reports will have a set schedule and **frequency** for
distribution. The report distribution package must support distribution
of these reports without the requirement of manual...required). This
criterion can be satisfied by automatic creation of banner pages or other
means.

14. Delivery **Costing** : To provide sufficient information to users to
avoid accidentally downloading or printing very large reports during peak
usage hours, a distribution **costing** function can be useful. This
function would warn users of reports that would overload the network or a
printer. This **costing** function might provide recipients with a rough
estimate of the **amount** of **time** that distribution might take. Finally,
during the online day, the delivery **costing** mechanism might disallow
transmission of reports that exceed a predeten-nined **cost** .

15. Multiple Destinations: The report architecture should support
distribution of a single report to single or multiple...with large,
mission-critical systems has shown that the most complex issues require
strategic tradeoffs between quality, **cost** , and **time** . These tradeoffis
usually involve interdependent considerations between strategy,
technology, process, and people. See Figure 34 which illustrates...

...detailed level. For example, how should an architecture be customized to
  better support performance, at the
  potential **cost** of increased coupling between components?
  Many of these considerations have been addressed over the last few years
  ...

   12/5,K/12   (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784140
   **A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE
   INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT**
   SYSTEME,   PROCEDE \ET   ARTICLE   DE   FABRICATION S'APPLIQUANT DANS UN
   ENVIRONNEMENT DE STRUCTURE DE SERVICES DE COMMUNICATIONS VIA UNE
   INTERFACE ADRESSABLE \GLOBALEMENT
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill
    Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116735 A2-A3 20010308 (WO 0116735)
  Application: WO 2000US24198 20000831 (PCT/WO US0024198)
  Priority Application: US 99387214 19990831
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK
  DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
  TT UA UG UZ VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/46**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 150371

English Abstract
  A system, method, and article of manufacture are provided for delivering
  service via a globally addressable interface. A plurality of interfaces
  are provided with access allowed to a plurality of different sets of
  services from each of the interfaces. Each interface has a unique set of
  services associated therewith. Each of the interfaces is named with a
  name indicative of the unique set of services associated therewith. The
  names of the interfaces are then broadcast to a plurality of systems
  requiring service.

French Abstract
  L'invention porte sur un systeme, un procede et un article de fabrication
  appliques dans la distribution de services via une interface adressable

globalement. Une pluralite d'interfaces permettent d'acceder a une
pluralite de differents ensembles de services. A chaque interface est
associe un ensemble unique de services. Chacune de ces interfaces est
affectee d'un nom designant l'ensemble unique de services correspondant.
Les noms des interfaces sont ensuite diffuses a une pluralite de systemes
requerant un service.

Legal Status (Type, Date, Text)
Publication   20010308 A2 Without international search report and to be
                         republished upon receipt of that report.
Examination   20010927 Request for preliminary examination prior to end of
                         19th month from priority date
Search Rpt   20030109 Late publication of international search report
Republication 20030109 A3 With international search report.

Main International Patent Class: **G06F-009/46**
Fulltext Availability:
  Detailed Description

Detailed Description
...   types of browsers, SafePassage will provide client authentication
  certificates and full-strength encryption (128 bit).

  Encryption 1552
  Encryption   services encrypt data prior to network transfer to prevent
  unauthorized interception.

  (Note that encryption can occur within the...may be required.

  Synchronous push/pull services provide a mechanism for applications to be
  notified in real **time** if a subscribed item changes (e.g., a stock
  ticker). Asynchronous push/pull services do not require...

...of reports are supported by the reporting application framework.

  Scheduled: Scheduled reports are generated based upon a **time** and/or
  date requirement.

  These reports typically contain statistical information and are generated
  periodically (invoices and bills, for ...requirements are not known
  before the request is made, so these factors must be handled at request
  time .

  Event-driven: This report type includes reports whose generation is
  triggered based on a business or system...

...determines general information about the request, such as report type,
  requester, quantity to be printed, and requested **time** . Based on the
  report type, a table of reports is examined in order to gather additional
  report...

...requests and ensures that they are forwarded to the report writer
  process at the current or specified **time** . All report requests are
  processed in an asynchronous manner (for example, service requesters do
  not wait for...

...containing information about each report that has been requested for
  generation, including.

  Requester ID

Report name
Date/ **time** requested
Status (requested, in process, complete, or error)
Report-specific parameters.

The requester ID, report name, and date/ **time** are used to uniquely
identify the report. These values are passed to APIs which request report
status...report records are removed from the table only after the output
reports have been archived. Implementation and **frequency** of this table
cleanup is to be determined in systems management design.

Report Process Flows
Report processing...

...the report writer process for immediate generation or to the event
manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report,
prints it if
if
spec ied...

...report generation and printing (optional).
Input data blocks specify the following.

Report name
Report parameters
Report generation **time** (default is immediately)
Printer name.

The report name must be one of the defined application report types...

...depending on the report type. Reports may be requested for generation
immediately or at a designated future **time**   . All reports are written to
a reserved area on disk; however, specification of a printer causes the
...

...of reports requested by users on demand. Typically, these reports will
not have a set schedule or **frequency** for distribution. The report
architecture must support distribution of these reports without the
requirement of manual or...

...architecture must support distribution of regularly scheduled reports.
Typically, these reports will have a set schedule and **frequency** for
distribution. The report distribution package must support distribution
of these reports without the requirement of manual...required). This
criterion can be satisfied by automatic creation of banner pages or other
means.

14. Delivery **Costing** : To provide sufficient information to users to
avoid accidentally downloading or printing very large reports during peak
usage hours, a distribution **costing** function can be useful. This
function would warn users of reports that would overload the network or a
printer. This **costing** function might provide recipients with a rough
estimate of the **amount** of **time** that distribution might take. Finally,
during the online day, the delivery **costing** mechanism might disallow
transmission of reports that exceed a predetermined **cost** .

15. Multiple Destinations: The report architecture should support
distribution of a single report to single or multiple...with large,

mission-critical systems has shown that the most complex issues require
strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs
usually involve interdependent considerations between strategy,
technology, process, and people. See Figure 34 which illustrates...

...level. For
256
example, how should an architecture be customized to better support
performance, at the
potential **cost** of increased coupling between components?
Many of these considerations have been addressed over the last few years
...

   12/5,K/13   (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784138
  **SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST BATCHER IN A
    TRANSACTION SERVICES PATTERNS ENVIRONMENT**
  **SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR MODULE DE MISE EN LOTS DES
    REQUETES DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES
    TRANSACTIONNELS**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page
    Mills Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116733/A2-A3 20010308 (WO 0116733)
  Application: WO 2000US23885 20000831 (PCT/WO US0023885)
  Priority Application: US 99387575 19990831
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK
  DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
  TT UA UG UZ VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/46**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 150393

English Abstract
  A system, method and article of manufacture are provided for batching
  logical requests for reducing network traffic. A group of business
  objects necessary for a transaction are provided and managed in a logical
  unit of work. Logically-related requests received from the logical unit
  of work are grouped into a single network message which is then stored.
  The message is sent upon receiving an order to send the message.

14. Delivery **Costing** : To provide sufficient information to users to
avoid accidentally downloading or printing very large reports during peak
usage hours, a distribution **costing** function can be useful. This
function would warn users of reports that would overload the network or a
printer. This **costing** function might provide recipients with a rough
estimate of the **amount** of **time** that distribution might take. Finally,
during the online day, the delivery **costing** mechanism might disallow
transmission of reports that exceed a predetermined **cost** .
15. Multiple Destinations: The report architecture should support
distribution of a single report to single or multiple...with large,
mission-critical systems has shown that the most complex issues require
strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs
usually involve interdependent considerations between strategy,
technology, process, and people. See Figure 24 which illustrates...

...detailed level. For example, how should an architecture be customized to
better support performance, at the
potential **cost** of increased coupling between components?
Many of these considerations have been addressed over the last few years
...

12/5,K/15   (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784136
 **A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BUSINESS LOGIC SERVICES
    PATTERNS IN A NETCENTRIC ENVIRONMENT**
 **SYSTEME, PROCEDE ET ARTICLE DE FABRICATION POUR STRUCTURES DE SERVICES DE
    LOGIQUE DE COMMERCE DANS UN ENVIRONNEMENT S'ARTICULANT AUTOUR DE
    L'INTERNET**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
    2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116728 A2-A3 20010308 (WO 0116728)
  Application: WO 2000US24197 20000831 (PCT/WO US0024197)
  Priority Application: US 99387658 19990831
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
  SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-009/46**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description

Claims
Fulltext Word Count: 150863

English Abstract
  A system, method, and article of manufacture are provided for
  implementing business logic service patterns for allowing reuse of a
  business object in a component-based architecture. An attribute
  dictionary pattern is used for controlling access to data of a business
  object via an attribute dictionary. A constant class pattern is provided
  for ensuring correct data at an attribute level. The patterns are
  utilized for reusing a business object which is classified as a business
  component, a business service, and/or a business facility.

French Abstract
  L'invention porte sur un systeme, un procede et un article de fabrication
  s'appliquant a la mise en oeuvre de structures de services de logique de
  commerce en vue d'etre autorise a utiliser un objet commercial dans une
  architecture a base de composants. Une structure de dictionnaire
  d'attributs est utilisee pour commander l'acces aux donnees d'un objet
  commercial via un dictionnaire d'attributs. Une structure de classement
  constant assure la correction des donnees a un niveau d'attributs. Les
  structures sont utilisees pour reutiliser un objet commercial classifie
  comme composant commercial, service commercial et/ou installation
  commerciale.

Legal Status (Type, Date, Text)
Publication   20010308 A2 Without international search report and to be
                         republished upon receipt of that report.
Search Rpt   20030109 Late publication of international search report
Republication 20030109 A3 With international search report.

Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-009/46**
Fulltext Availability:
  Detailed Description

Detailed Description
... types of browsers, SafePassage will provide client authentication
  certificates and full-strength encryption (128 bit).

  Encryption 1552
  Encryption   services encrypt data prior to network transfer to prevent
  unauthorized interception.

  (Note that encryption can occur within the...

...Services layer, the Transport Services layer, or the Network Media
  Services layer.) Within the Communications Services layer, **encryption**
  occurs at the top of the protocol stack and is typically performed within
  an application (e.g...frame relay). In this case, all data is encrypted
  before it is placed on the wire. Such **encryption** tools are generally
  hardware products. Encryption at this level has the advantage of being
  transparent to higher...may be required.
  Synchronous push/pull services provide a mechanism for applications to be
  notified in real **time** if a subscribed item changes (e.g., a stock
  ticker). Asynchronous push/pull services do not require...

...of reports are supported by the reporting application framework.

  Scheduled: Scheduled reports are generated based upon a **time** and/or

date requirement.

These reports typically contain statistical information and are generated
periodically (invoices and bills, for example).

On-demand: Some reports will be requested by users ...requirements are
not known before the request is made, so these factors must be handled at
request **time** .

Event-driven: This report type includes reports whose generation is
triggered based on a business or system...

...determines general information about the request, such as report type,
requester, quantity to be printed, and requested **time** . Based on the
report type, a table of reports is examined in order to gather additional
report...

...requests and ensures that they are forwarded to the report writer
process at the current or specified **time** . All report requests are
processed in an asynchronous manner (for example, service requesters do
not wait for...

...containing information about each report that has been requested for
generation, including.

Requester ID
Report name
Date/ **time** requested
Status (requested, in process, complete, or error)
Report-specific parameters.

The requester ID, report name, and date/ **time** are used to uniquely
identify the report. These values are passed to APIs which request report
status...report records are removed from the table only after the output
reports have been archived. Implementation and **frequency** of this table
cleanup is to be deten-nined in systems management design.
Report Process Flows
Report...

...the report writer process for immediate generation or to the event
manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report,
prints it if specified in the...

...report generation and printing (optional).

Input data blocks specify the following.

Report name
Report parameters
Report generation **time** (default is immediately)
Printer name.

The report name must be one of the defined application report types...

...depending on the report type. Reports may be requested for generation
immediately or at a designated future **time** . All reports are written to
a reserved area on disk; however, specification of a printer causes the
...

...of reports requested by users on demand. Typically, these reports will
not have a set schedule or **frequency** for distribution. The report
architecture must support distribution of these reports without the
requirement of manual or...

...architecture must support distribution of regularly scheduled reports.
Typically, these reports will have a set schedule and **frequency** for
distribution. The report distribution package must support distribution
of these reports without the requirement of manual...required). This
criterion can be satisfied by automatic creation of banner pages or other
means.

232
. Delivery **Costing** : To provide sufficient infori-nation to users to
avoid accidentally downloading or printing very large reports during peak
usage hours, a distribution **costing** function can be useful. This
function would wam users of reports that would overload the network or a
printer. This **costing** function might provide recipients with a rough
estimate of the **amount** of **time** that distribution might take. Finally,
during the online day, the delivery **costing** mechanism might disallow
transmission of reports that exceed a predetennined **cost** .

15. Multiple Destinations: The report architecture should support
distribution of a single report to single or multiple...been used to
regulate delays and deadlines such as those associated with government
regulations, contractual obligations, accounting **periods** , customer
service, and sales lead follow-up. Typical workflow goals are shorter
time to market and quicker response times.

Are multiple people involved in the business process?
Is there a...

...of documents in which the rules for a certain document can be defined
for most of the **time** . Examples include accounts payable, insurance
claims processing, and loan processing. A collaborative environment
involves multiple departments viewing...system of forces, wherever the
context makes it relevant.

The pattern is, in short, at the same **time** a thing, which happens in
the world, and the rule which tells us how to create that...with large,
mission-critical systems has shown that the most complex issues require
strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs
usually involve interdependent considerations between strategy,
technology, process, and people. See Figure 34 which illustrates...

...level. For
251
example, how should an architecture be customized to better support
performance, at the
potential **cost** of increased coupling between components?
Many of these considerations have been addressed over the last few years
...
.

12/5,K/16   (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784135

the online day, the delivery **costing** mechanism might disallow
transmission of reports that exceed a predetermined **cost** .

15. Multiple Destinations: The report architecture should support
distribution of a single report to single or multiple...with large,
mission-critical systems has shown that the most complex issues require
strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs
usually involve interdependent considerations between strategy,
technology, process, and people. See Figure 34 which illustrates...

...level. For
252
example, how should an architecture be customized to better support
performance, at the
potential **cost** of increased coupling between components?
Many of these considerations have been addressed over the last few years
...   .

12/5,K/17   (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784134
  **A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CONSTANT CLASS COMPONENT
    IN A BUSINESS LOGIC SERVICES PATTERNS ENVIRONMENT**
  **SYSTEME, PROCEDE ET ARTICLE MANUFACTURE UN COMPOSANT DE CLASSE DE CONSTANTE
    DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE LOGIQUE D'AFFAIRES**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, Suite 3800,
    2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116726 A2-A3 20010308 (WO 0116726)
  Application: WO 2000US24188 20000831 (PCT/WO US0024188)
  Priority Application: US 99387213 19990831
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
  VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/44**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 150446

English Abstract
  A system, method, and article of manufacture are provided for managing
  constants in a computer program. A plurality of constant names are

provided. Each of the constant names has a corresponding constant value.
The constant names are grouped into constant classes based on an entity
which the constant values represents. Access is allowed to the constant
values by receiving a call including the corresponding constant name and
corresponding constant class.
French Abstract
   L'invention porte sur un systeme, un procede et un article de gestion des
   constantes d'un programme d'ordinateur. On etablit les noms de
   differentes constantes a chacun desquels correspond la valeur d'une
   constante, puis les noms sont regroupes par classes de constantes en
   fonction d'une entite representant les valeurs des constantes. L'acces a
   une valeur de constante est autorise lors de la reception d'un appel
   comprenant le nom et la classe de la constante correspondante.

Legal Status (Type, Date, Text)
Publication   20010308 A2 Without international search report and to be
                         republished upon receipt of that report.
Examination   20010809 Request for preliminary examination prior to end of
                         19th month from priority date
Search Rpt   20020502 Late publication of international search report
Republication 20020502 A3 With international search report.

Main International Patent Class: **G06F-009/44**
Fulltext Availability:
   Detailed Description

Detailed Description
...   and authentication to enable secure data communications over public
   networks such as the Internet.

   The need for **Encryption   Services** is particularly strong where
   electronic commerce solutions that involve exchanging sensitive or
   financial data are to be...of reports are supported by the reporting
   application framework.

   Scheduled: Scheduled reports are generated based upon a **time** and/or
   date requirement.

   These reports typically contain statistical infon-nation and are
   generated **periodically** (invoices and bills, for example).

   ...requirements are not known before the request is made, so these
   factors must be handled at request **time**   .

   Event-driven: This report type includes reports whose generation is
   triggered based on a business or system...

...nines general information about the request, such as report type,
   requester, quantity to be printed, and requested **time**   . Based on the
   report type, a table of reports is examined in order to gather additional
   report...

...requests and ensures that they are forwarded to the report writer
   process at the current or specified **time**   . All report requests are
   processed in an asynchronous manner (for example, service requesters do
   not wait for...

...containing information about each report that has been requested for
   generation, including.

```
Requester ID
Report name
Date/ time requested
Status (requested, in process, complete, or error)
Report-specific parameters.
```

The requester ID, report name, and date/ **time** are used to uniquely identify the report. These values are passed to APIs which request report status...report records are removed from the table only after the output reports have been archived. Implementation and **frequency** of this table cleanup is to be determined in systems management design.
Report Process Flows
Report processing...

...the report writer process for immediate generation or to the event manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report, prints it if specified in the...

...report generation and printing (optional).

Input data blocks specify the following.

```
Report name
Report parameters
Report generation time (default is immediately)
Printer name.
```

The report name must be one of the defined application report types...

...depending on the report type. Reports may be requested for generation immediately or at a designated future **time** . All reports are written to a reserved area on disk; however, specification of a printer causes the ...

...of reports requested by users on demand. Typically, these reports will not have a set schedule or **frequency** for distribution. The report architecture must support distribution of these reports without the requirement of manual or...

...architecture must support distribution of regularly scheduled reports. Typically, these reports will have a set schedule and **frequency** for distribution. The report distribution package must support distribution of these reports without the requirement of manual...required). This criterion can be satisfied by automatic creation of banner pages or other means.

233
. Delivery **Costing** : To provide sufficient infortnation to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount** of **time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost** .

15. Multiple Destinations: The report architecture should support distribution of a single report to single or multiple...with large,

mission-cnitical systems has shown that the most complex issues require
strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs
usually involve interdependent considerations between strategy,
technology, process, and people. See Figure 34 which illustrates...

...level. For
252
example, how should an architecture be customized to better support
performance, at the
potential **cost** of increased coupling between components?
Many of these considerations have been addressed over the last few years
...

12/5,K/18   (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784132
 **A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LEGACY WRAPPER IN A
    COMMUNICATION SERVICES PATTERNS ENVIRONMENT**
 **SYSTEME, PROCEDE ET DISPOSITIF POUR MODULE D'HABILLAGE EXISTANT DANS UN
    ENVIRONNEMENT DE SCHEMAS DE SERVICES DE COMMUNICATION**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
     (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
     , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill
     Roadast, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116724 A2-A3 20010308 (WO 0116724)
  Application: WO 2000US24084 20000831 (PCT/WO US0024084)
  Priority Application: US 99386834 19990831
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK
  DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
  TT UA UG UZ VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-009/46**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 150947

English Abstract
  A system, method, and article of manufacture are provided for affording
  access to a legacy system. A plurality of components coupled to a client
  via a component integration architecture are provided for servicing the
  client. A legacy system is interconnected to the client via the
  integration architecture using a legacy wrapper. The legacy system and
  the client are interfaced via the legacy wrapper by communicating with

14. Delivery **Costing** : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** ?o function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount** of **time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost** .

15. Multiple Destinations: The report architecture should support distribution of a single report Z5 to single or...with large, mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...detailed level. For example, how should an architecture be customized to better support performance, at the potential **cost** of increased coupling between components? Many of these considerations have been addressed over the last few years ...

12/5,K/19   (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784125
  **SYSTEM,   METHOD,   AND   ARTICLE OF MANUFACTURE FOR PIECEMEAL RETRIEVAL IN AN
    INFORMATION SERVICES PATTERNS ENVIRONMENT**
  **SYSTEME,   PROCEDE   ET   ARTICLE   DE   FABRICATION   DESTINES   A   LA   RECHERCHE
    FRAGMENTAIRE   DANS   UN   ENVIRONNEMENT   DE   MODELES   DE   SERVICES
    D'INFORMATIONS**
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
    , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
    2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116705 A2-A3 20010308 (WO 0116705)
  Application: WO 2000US24085 20000831 (PCT/WO US0024085)
  Priority Application: US 99386433 19990831
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
  VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/44**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims

Fulltext Word Count: 150355

English Abstract
  A system, method and article of manufacture are provided for providing a
  warning upon retrieval of objects that are incomplete. An object is
  provided with at least one missing attribute. Upon receipt of a request
  from an application for the object access to the attributes of the object
  is allowed by the application. A warning is provided upon an attempt to
  access the attribute of the object that is missing.
French Abstract
  L'invention concerne un systeme, un procede et un article de fabrication
  concus pour emettre un avertissement lors de l'extraction d'objets qui
  sont incomplets. L'objet fourni presente au moins un attribut manquant.
  Des la reception d'une requete d'une application pour l'objet, ladite
  application autorise l'acces aux attributs de cet objet. Un avertissement
  est emis lorsque l'on tente d'acceder a l'attribut manquant de l'objet.

Legal Status (Type, Date, Text)
Publication   20010308 A2 Without international search report and to be
                            republished upon receipt of that report.
Examination   20011018 Request for preliminary examination prior to end of
                            19th month from priority date
Search Rpt   20011122 Late publication of international search report
Republication 20011122 A3 With international search report.

Main International Patent Class: **G06F-009/44**
Fulltext Availability:
  Detailed Description

Detailed Description
...   types of browsers, SafePassage will provide client authentication
  certificates and full-strength encryption (128 bit).

  Encryption 1552
  Encryption   services encrypt data prior to network transfer to prevent
  unauthorized interception.

  (Note that encryption can occur within the...may be required.

  Synchronous push/pull services provide a mechanism for applications to be
  notified in real **time** if a subscribed item changes (e.g., a stock
  ticker). Asynchronous push/pull services do not require...

...of reports are supported by the reporting application framework.

  Scheduled: Scheduled reports are generated based upon a **time** and/or
  date requirement.

  These reports typically contain statistical information and are generated
  periodically (invoices and bills, for example).

  On-demand: Some reports will be requested by users with specific
  parameters...
...requirements are not known before the request is made, so these factors
  must be handled at request **time**   .

  Event-driven: This report type includes reports whose generation is   ...
  determines general information about the request, such as report type,
  requester, quantity to be printed, and requested **time**   . Based on the
  report type, a table of reports is examined in

223
order to gather additional...

...requests and ensures that they are forwarded to the report writer
process at the current or specified **time** . All report requests are
processed in an asynchronous manner (for example, service requesters do
not wait for...

...containing information about each report that has been requested for
generation, including.

Requester ID
Report name
Date/ **time** requested
Status (requested, in process, complete, or error)
Report-specific parameters.

The requester ID, report name, and date/ **time** are used to uniquely
identify the report. These values are passed to APIs which request report
status...report records are removed from the table only after the output
reports have been archived. Implementation and **frequency** of this table
cleanup is to be determined in systems management design.

Report Process Flows
Report processing...

...the report writer process for immediate generation or to the event
manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report,
prints it if specified in the...

...report generation and printing (optional).

Input data blocks specify the following.

Report name
Report parameters
Report generation **time** (default is immediately)
Printer name.

229
The report name must be one of the defined application report...

...depending on the report type. Reports may be requested for generation
immediately or at a designated future **time** . All reports are written to
a reserved area on disk; however, specification of a printer causes the
...

...of reports requested by users on demand. Typically, these reports will
not have a set schedule or **frequency** for distribution. The report
architecture must support distribution of these reports without the
requirement of manual or...

...architecture must support distribution of regularly scheduled reports.
Typically, these reports will have a set schedule and **frequency** for
distribution. The report distribution package must support distribution
of these reports without the requirement of manual...required). This,
criterion can be satisfied by automatic creation of banner pages or other
means.

14. Delivery **Costing** : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount** of **time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost** .

15. Multiple Destinations: The report architecture should support distribution of a single report to single or multiple...with large, mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...detailed level. For example, how should an architecture be customized to better support performance, at the potential **cost** of increased coupling between components? Many of these considerations have been addressed over the last few years ...

12/5,K/20   (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784124
  SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST SORTER IN A TRANSACTION SERVICES PATTERNS ENVIRONMENT
  SYSTEME, PROCEDE ET ARTICLE DE FABRICATION APPLIQUES DANS UN TRIEUR DE REQUETES D'UN ENVIRONNEMENT DE STRUCTURES DE SERVICES DE TRANSACTIONS
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
  , US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th floor,
    2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116704 A2-A3 20010308 (WO 0116704)
  Application: WO 2000US24082 20000831 (PCT/WO US0024082)
  Priority Application: US 99386715 19990831
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
  VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-009/46**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims

Legal Status (Type, Date, Text)
Publication   20001207 A2 Without international search report and to be
                          republished upon receipt of that report.
Examination   20010301 Request for preliminary examination prior to end of
                          19th month from priority date
Search Rpt   20010525 Late publication of international search report
Republication 20010525 A3 With international search report.

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
  Detailed Description

Detailed Description
... invention; Figure 11-1 is a flowchart providing more detail of the
  method for mapping products or **services** in a network framework in
  accordance with one embodiment of the
  present invention;
  Figure U is a...or graphical representations of control or data flows.

  Graphical Representation
  Graphical representation tools are used to display **important** system
  information in a form, which is easier to assimilate. These tools may,
  for example, produce structure...

   12/5,K/27   (Item 23 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00579119   **Image available**
 SECURITY ENFORCEMENT FOR ELECTRONIC DATA
 MISE EN OEUVRE DE DISPOSITIONS DE SECURITE POUR DONNEES ELECTRONIQUES
Patent Applicant/Assignee:
  MICROSOFT CORPORATION,
Inventor(s):
  DANIELI Damon V,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200042492 A2 20000720 (WO 0042492)
  Application: WO 2000US716 20000112 (PCT/WO US0000716)
  Priority Application: US 99229427 19990113
Designated States: CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
  SE
Main International Patent Class: **G06F-001/00**
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims.
Fulltext Word Count: 17535

English Abstract
   Security services and policy enforcement for electronic data is provided
   through a series of transactions among a server and clients using
   electronic security certificates. A first client generates a digest from
   the electronic data using a one-way hashing algorithm, and submits a
   security certificate request containing the digest to a trusted
   arbitrator server, where the request is time stamped and logged. The
   trusted arbitrator authenticates the first client's credentials,
   digitally signs the digest, creates and registers the security
   certificate with digest information, and returns the security certificate

to the first client. The first client combines the electronic data with the security certificate to create a distribution unit. A second client acquires the distribution unit, extracts the certificate security certificate, generates a digest from the data using same hashing algorithm, and either compares the computed digest with the signed digest in the security certificate, or submits a validation request containing the security certificate serial number and digest to the trusted arbitrator server. If the digest from the second client matches the logged digest from the first client, the electronic data is valid. Depending on the certificate type and policy level, the trusted arbitrator server provides other services to the clients, such as notification of updates to the data, notification of improper user of the data, and payment for the use of the data.

French Abstract
   L'invention concerne la mise en oeuvre de services et de politique de securite pour donnees electroniques, par une serie de transactions entre un serveur et des clients utilisant des certificats de securite electroniques. Un premier client etablit un resume de donnees electroniques au moyen d'un algorithme de calcul d'adresses, puis il soumet une demande de certificat de securite contenant ce resume a un serveur d'arbitrage fiable, ou la demande est horodatee et enregistree. Le serveur authentifie les elements d'identite du premier client, signe numeriquement le resume, cree et enregistre le certificat de securite au moyen de l'information de resume, et renvoie le certificat au premier client, lequel combine les donnees electroniques et le certificat pour etablir une unite de distribution. Un second client acquiert l'unite de distribution, extrait le certificat de securite, etablit un resume a partir des donnees en utilisant le meme algorithme de calcul d'adresses, et compare le resume etabli avec le resume signe dans le certificat ou soumet une demande de validation contenant le numero de serie du certificat et le resume au serveur d'arbitrage fiable. Si le resume du second client correspond au resume enregistre du premier client, les donnees electroniques sont valables. En fonction du type de certificat et du niveau de politique de securite, le serveur assure d'autres services aux clients comme la notification des mises a jour de donnees, la notification d'utilisation impropre des donnees et le paiement relatif a l'utilisation des donnees.

Main International Patent Class: **G06F-001/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... Number of users and/or machines policy
  One or more concurrent [userlmachine]
  No concurrent [userslmachines]
  Length of **time** of use policy
  Use only while subscribed to service
  Use for set **duration** when running
  Use for set **duration** since installation
  Usage ends on **Time** and Date
  Unlimited
  Credentials policy
  No credentials required
  Adult material (user must be registered as adult)
  Groups...subscribers can access
  Subscribers at certain level can access
  Update policy
  Update when original data changed

Update **periodically**
Period to update
Update on payment
Update on demand
Consignment Service block
Version of Consignment Service
36
Number of policies (zero or more)
Consignment policies
In   .
Cost Policy
Free
Amount per license
Data **Encryption   Service** block
Version of **Encryption   Service**
Encryption Algorithm used
I 0 Version of Encryption Algorithm
I
Alcrorithrnic Information
Users which can unlock data...
?

T S13/5,K/ALL

13/5,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00855182
An accounting apparatus and an information distribution system using the accounting apparatus
Abrechnungsvorrichtung und ein die Abrechnungsvorrichtung verwendendes Informationsverteilungssystem
Appareil de comptabilisation et systeme de distribution d'informations utilisant cet appareil
PATENT ASSIGNEE:
  CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,
    Tokyo, (JP), (Proprietor designated states: all)
INVENTOR:
  Iwamura, Keiichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,
    Ohta-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
  Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick
    Court, High Holborn, London WC1R 5DH, (GB)
PATENT (CC, No, Kind, Date): EP 788080 A2 970806 (Basic)
                              EP 788080 A3 981014
                              EP 788080 B1 030528
APPLICATION (CC, No, Date):   EP 97300592 970130;
PRIORITY (CC, No, Date): JP 9616081 960131; JP 9616082 960131
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G07F-017/16; G07F-007/10
CITED PATENTS (EP B): EP 537756 A; EP 594493 A; WO 94/01825 A; US 4751732 A
CITED REFERENCES (EP B):
  MORI R ET AL: "SUPERDISTRIBUTION: THE CONCEPT AND THE ARCHITECTURE"
    TRANSACTIONS OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND
    COMMUNICATION ENGINEERS OF JAPAN, vol. E73, no. 7, July 1990, pages
    1133-1146, XP002010383;

ABSTRACT EP 788080 A2
    An accounting apparatus has a money input, by which a user can input an
amount of money into the apparatus. A receiver receives a body of
information transmitted over a communication medium, and a register is
arranged to store at least two data received with such body of
information. A control unit processes the at least two data in the
register received with such body of information, and the amount input by
the user via the money input, and an indicator indicates to the user
whether the user is permitted access to the body of information, based on
a result of processing provided by the control unit.
ABSTRACT WORD COUNT: 108
NOTE:
  Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Examination: 001129 A2 Date of dispatch of the first examination
                               report: 20001012
  Application: 970806 A2 Published application (A1with Search Report
                               ;A2without Search Report)
  Grant: 030528 B1 Granted patent
  Change: 030423 A2 Title of invention (German) changed: 20030305
  Search Report: 981014 A3 Separate publication of the European or
                               International search report
  Examination: 990428 A2 Date of filing of request for examination:

                                  990226
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
       CLAIMS A (English)   199708W1   872
       CLAIMS B (English)   200322   1160
       CLAIMS B   (German)   200322   1007
       CLAIMS B   (French)   200322   1204
       SPEC A   (English)   199708W1   11726
       SPEC B   (English)   200322   11468
Total word count – document A   12600
Total word count – document B   14839
Total word count – documents A + B   27439

...SPECIFICATION PP (if such is the case), and then the user is shown a
   list of the available encryption   services , with the charge   for
   each. This is preferably done by the information provider sending the
   various possible TID's to...

...SPECIFICATION of encryption to be used, or selects from among several
   offered combinations of security strength and processing speed , or the
   like. More specifically, in this embodiment, the checking unit 14
   initially determines that the user...

...PP (if such is the case), and then the user is shown a list of the
   available encryption   services , with the charge   for each. This is
   preferably done by the information provider sending the various possible
   TID's to...

   13/5,K/2   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00409318   **Image available**
  PORTABLE, SECURE TRANSACTION SYSTEM FOR PROGRAMMABLE, INTELLIGENT DEVICES
  SYSTEME PORTABLE SUR DE GESTION TRANSACTIONNELLE DESTINE A DES UNITES
    PROGRAMMABLES INTELLIGENTES
Patent Applicant/Assignee:
  EUROPAY INTERNATIONAL N V,
  HEYNS Guido,
  JOHANNES Peter,
Inventor(s):
  HEYNS Guido,
  JOHANNES Peter,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9750063 A2 19971231
  Application: WO 97EP3355 19970626   (PCT/WO EP9703355)
  Priority Application: GB 9613450 19960627
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
  MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU ZW
  GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI
  FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: G07F-007/10
International Patent Class: G06K-19:07
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims

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Set      Items    Description
S1         17     (ENCRYPTION OR CRYPTOGRAPHIC)()SERVICE?
S2       19303    PRICE OR PRICING OR COST? OR CHARG? OR AMOUNT OR QUOTATION
S3          9     (COMPUTATION? OR CALCULATION? OR FIGURING OR RECKONING)(2N-
                  )(BURDEN? OR CHARGE? OR COMMITMENT? OR DUTY OR OBLIGATION OR -
                  RESPONSIBILITY)
S4         14     (PRIVACY OR CONFIDENTIALITY)(2N)(LEVEL OR STATUS OR STANDI-
                  NG OR IMPORTANT? OR SCORE? OR RANK?)
S5       27329    SPEED OR TIME OR TIMING OR PERIOD? OR INTERVAL OR CLOCK OR
                  SPACING OR FREQUENCY OR DURATION
S6          1     S1 (S) S2
S7          0     S1 (S) S3
S8          0     S1 (S) S4
S9          1     S1 (S) S5
S10         0     S6 (S) S9
S11         2     S6 OR S9
S12         2     S11 NOT PY>2000
S13         2     S12 NOT PD>20000619
File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Nov
        (c)2003 Info.Sources Inc
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T S13/5/ALL

13/5/1
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00113933   DOCUMENT TYPE: Review

PRODUCT NAMES: X.12 (832324)

TITLE: X12 EDI Security: Safe Passage Over the Internet
AUTHOR: DeGrafft, Hart W
SOURCE: ·e-Business Advisor Magazine,   v17 n1 p36(4) Jan 1999
ISSN: 1098-8912
HOMEPAGE: http://www.advisor.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

X12 electronic data interchange (EDI) security is a set of standards that
demonstrate the security functions needed over the EDI range of products as
companies migrate to Web-enabled EDI. Web-based EDI does not support
automation, but eliminates paper, is quick, and is a lower-cost method for
PC-users. Web-enabled EDI complements conventional EDI, and extends EDI to
a new group of EDI users. One server, for example, can perform two sets of
tasks for different user groups. It can host a World Wide Web EDI
application and also export conventional EDI transactions throughout the
back end to a larger company that has a volume of business and business
processes concomitant with completely automated, machine-to-machine
processing. The X.12 suite provides two primary security services that
protect ANSI X.12 electronic transactions against risks possible when using
the Internet to conduct business transactions. They are an electronic
digital signature and data encryption. The digital signature provides a way
to determine if an alteration has occurred to information signed; a way to
definitely identify the person signing the document; and a way to bind the
signed information to the signer's identity. Among topics covered are:
evolution of X.12-based security standards; X.12 security advantages; X.12
security services explained; X.12.58, which establishes conventions and
syntax for open system EDI security solutions; data compression service
cryptographic service message (X.12.815); synergistic use of X.12.58 and
X.12.815; network/protocol independence; and the future of EDI.

COMPANY NAME: Vendor Independent (999999)
DESCRIPTORS: Communications Standards; Data Communications; EDI
    (Electronic Data Interchange); Internet Marketing; Internet Utilities
REVISION DATE: 20010330

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DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00110359   DOCUMENT TYPE: Review

PRODUCT NAMES: TriStrata Enterprise Security Server (TESS) 2.0 (716898)

TITLE: TriStrata: A Giant Step In Enterprise Security
AUTHOR: Backman, Dan
SOURCE: Network Computing,   v9 n15 p28(3) Aug 15, 1998

ISSN: 1046-4468
HOMEPAGE: http://www.NetworkComputing.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

TriStrata Security's TriStrata Enterprise Security Server (TESS) 2.0
represents a significant step forward in enterprise security technology. It
provides a high-performance electronic commerce framework and broad-based
authentication and encryption services. Its foundation is the relatively
unknown but hypothetically unbreakable Vernal one-time pad cipher.
Application-level and transport-level security services are supported with
performance much better than that of current public key and symmetric key
cryptosystems. TESS's framework exposes its services at the application and
network transport layers, unlike Common Object Request Broker Architecture
(CORBA), Distributed Component Object Model (DCOM), and DCE. TriStrata also
has another unusual feature: full compliance with federal export
restrictions and licensing for export outside the U.S. and Canada. All of
TriStrata's products use Microsoft's technologies, including a security
server that runs on a specially designed version of Windows NT 4.0 Server,
and desktop application support for Windows 95, Windows 98, and Windows NT
4.0. TriStrata plans support for other platforms as well. Four primary
applications make up TriStrata's security framework, in addition to the
Enterprise Security Server. They are desktop file encryption, secure
messaging, secure network transport services, and a software development
toolkit.

COMPANY NAME: TriStrata Inc (650897)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Computer Security; E-Mail Utilities; Encryption; IBM PC &
    Compatibles; Network Administration; Network Software; System
    Monitoring; Windows; Windows NT/2000
REVISION DATE: 20020630
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